

THRIFTY OIL CO.

April 22, 1998

O.3650

Mr. Brian P. Oliva, REHS, REA
Hazardous Material Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, Ca 94502

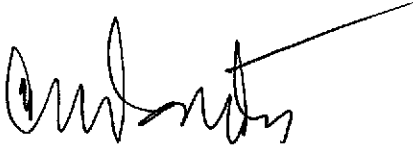
RE: **Thrifty Oil Co. Station #054**
2504 Castro Valley Boulevard
Castro Valley, Ca
Status Report

Dear Mr. Oliva:

Presented herewith is the Status Report for Thrifty Oil Co. Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, Ca.

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

Sincerely,



Chris Panaitescu
General Manager
Environmental Affairs

cc: ARCO
File

ENVIRONMENTAL
PROTECTION
98 APR 29 AM 9:36



THRIFTY OIL CO.

April 22, 1998

Mr. Brian P. Oliva, REHS, REA
Hazardous Material Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, Ca 94502

RE: **Thrifty Oil Co. Station #054**
2504 Castro Valley Boulevard
Castro Valley, California
Status Report

Dear Mr. Oliva:

This letter report presents the results of soil and groundwater remedial activities, and site monitoring and sample collection conducted this reporting period (Apr 97 thru Mar 98). All monitoring is conducted by Earth Management Co. (EMC) of Santa Fe Springs, California.

Site Monitoring

The site was visited on April 3, June 12, September 9, December 12, 1997, and March 3, 1998 by an EMC technician to gauge the wells and collect groundwater samples. Water levels were measured in each well from the top of well casing using a Marine Moisture interface gauging probe. Depth to groundwater in the last sampling event ranged from 2.72 to 9.98 feet below the top of well casings. None of the wells exhibited free product. The interpretation of groundwater flow across the site is depicted on **Figure 1**. In general, the groundwater flow was to the west/northwest at a gradient of approximately 0.03 feet per foot. Historical groundwater data is included in **Table 1**.

Sample Collection

Prior to collecting groundwater samples from the wells, approximately 4 well volumes of groundwater was removed using a PVC bailer. During the purging process, the pH, conductivity and temperature were measured and recorded to insure formation water was entering the well to be sampled. Approximately 10 to 30 gallons of water was 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 disposable bailer. Samples were maintained and transported in 40 milliliter vials placed on ice pending delivery to American Analytics, a state certified analytical laboratory located in Chatsworth, California.



Analytical Results

As part of the groundwater monitoring program, groundwater samples were obtained from all on and off site monitoring wells (**Figure 1**). Groundwater samples were obtained by Earth management Co. (EMC) and delivered in a chilled state in a light proof ice chest following strict Chain-of-Custody procedures to a state certified laboratory and analyzed for volatile organic hydrocarbons and MTBE by EPA method 8020, and total petroleum hydrocarbons (TPH) by EPA method 8015 modified. Copies of the laboratory analysis report are attached in **Appendix A**. A summary of the results are presented in **Table 1**. TPHg and benzene isoconcentration maps generated from December 97 sampling event data is presented as **Figures 2 and 3**, and March 98 sampling event data is presented as **Figure 5 and 6**, respectively.

Remediation System Operation Status

The soil and groundwater remediation system was designed and installed by Remediation Services Int'l (RSI) and has been in operation at the site since November 1989. The treatment compound consists of a Ford internal combustion engine, spray aeration tower which at this time has been substituted for carbon canisters, and gauging instruments. The hydrocarbon laden vapors from the extraction wells are burned as fuel by the engine, and extracted water is being treated by carbon. The engine is equipped with a catalytic converter for exhaust emission reduction.

Water

As of March, 1998, a total of about 24,410 gallons of water (current meter reading 8461) had been processed by the unit and discharged to the local sanitary sewer. During this status reporting period, 4546 gallons of water had been processed by the treatment unit and was discharged to the sanitary sewer. Effluent samples of the groundwater portion of the treatment unit were collected quarterly, and the results are located in **Table 2**. Laboratory analysis of effluent water samples collected indicated the absence of TPH and BTEX at concentrations exceeding laboratory detection limits.


Vapor


The system was down from January thru March, 1997 due to mechanical blower problems and was restarted on April 4, 1997. Based on the data obtained by EMC, the RSI-SAVE unit operated 3144 hours from April 97 thru March 98, and 18,307 hours total (current meter reading 13,056). Treatment unit effluent vapor samples were collected quarterly. Fields status reports for the vapor monitoring system are located in **Appendix B**. As of March 24, 1998 the system was shut down due to a leaking propane line.

Closing

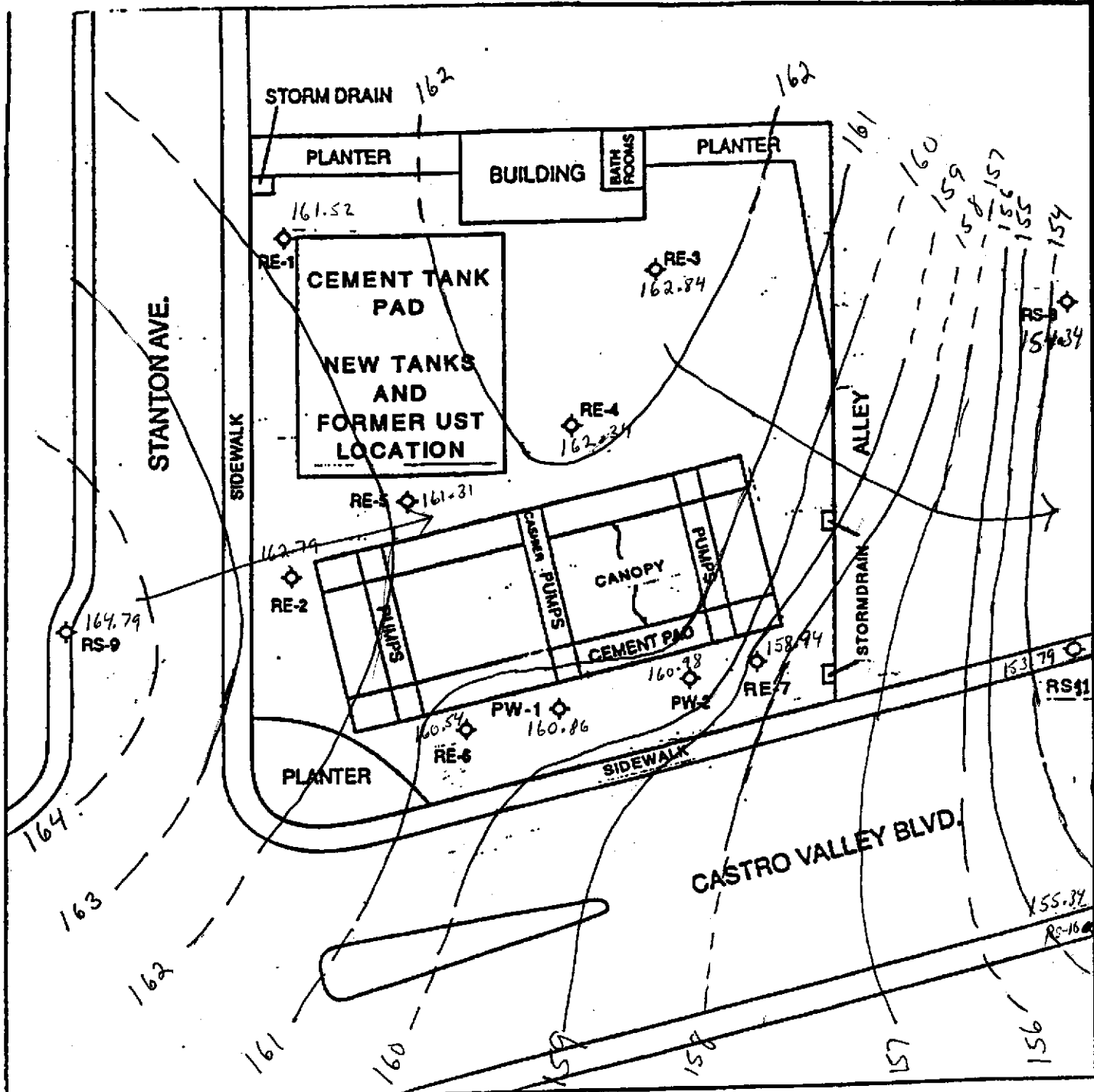
All interpretations expressed in this report are based upon the review of data collected by Earth Management Co. If you have any questions please contact the undersigned at (562) 921-3581.

Respectfully,


Raymond C. Friedrichsen
Project Manager
Environmental Geologist


Bryan Van Wagner, RG, CHG
Hydrogeologist

FIGURES



GROUNDWATER CONTOUR MAP

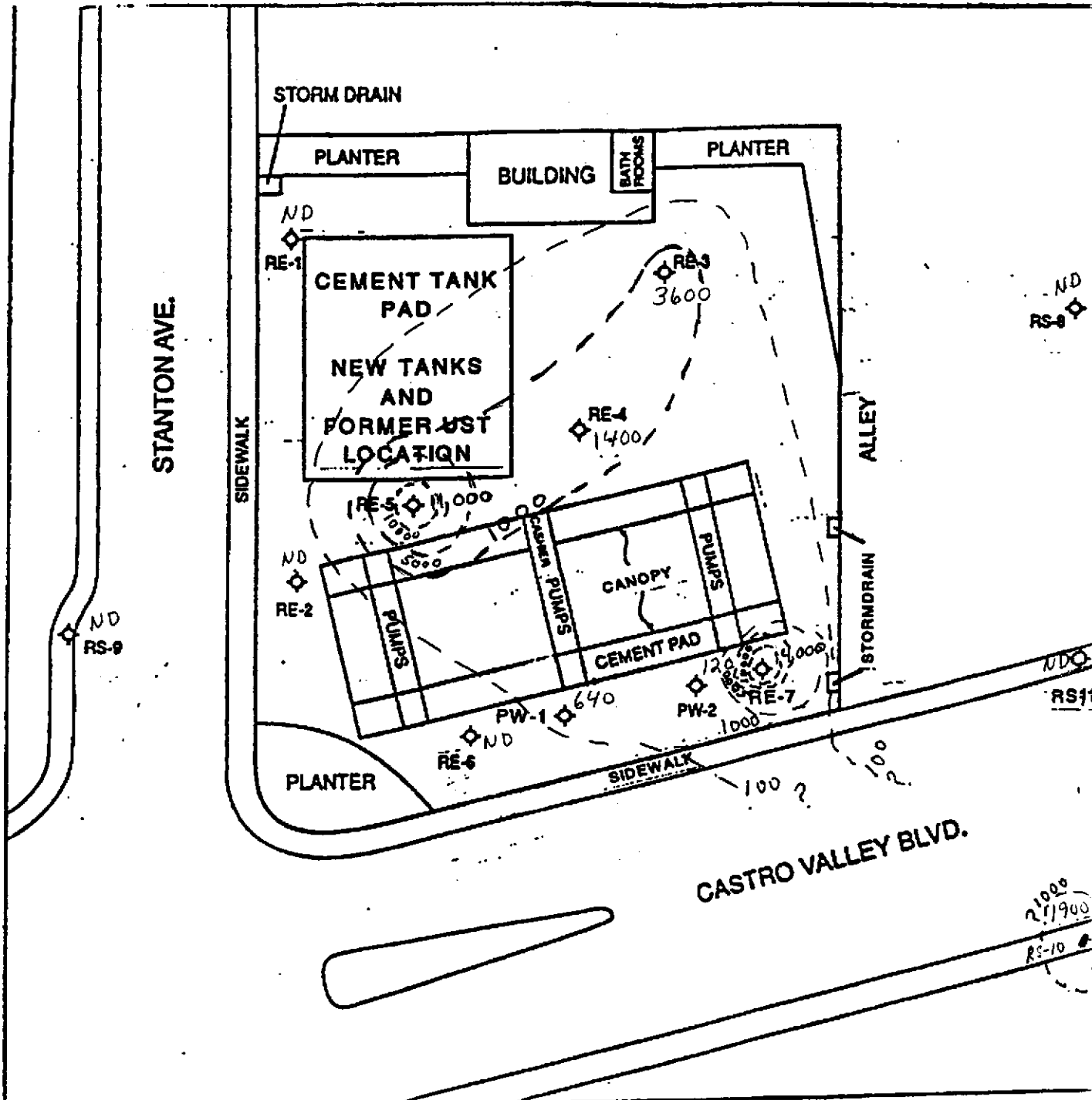
**THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA**
 Prepared for
**THRIFTY OIL CO.
 SANTA FE, SPRINGS
 CALIFORNIA**



◊ EXISTING MONITORING WELL

--- BENZENE ISONCENTRATION CONTOUR in ug/L (12/10/96)

FIGURE 1



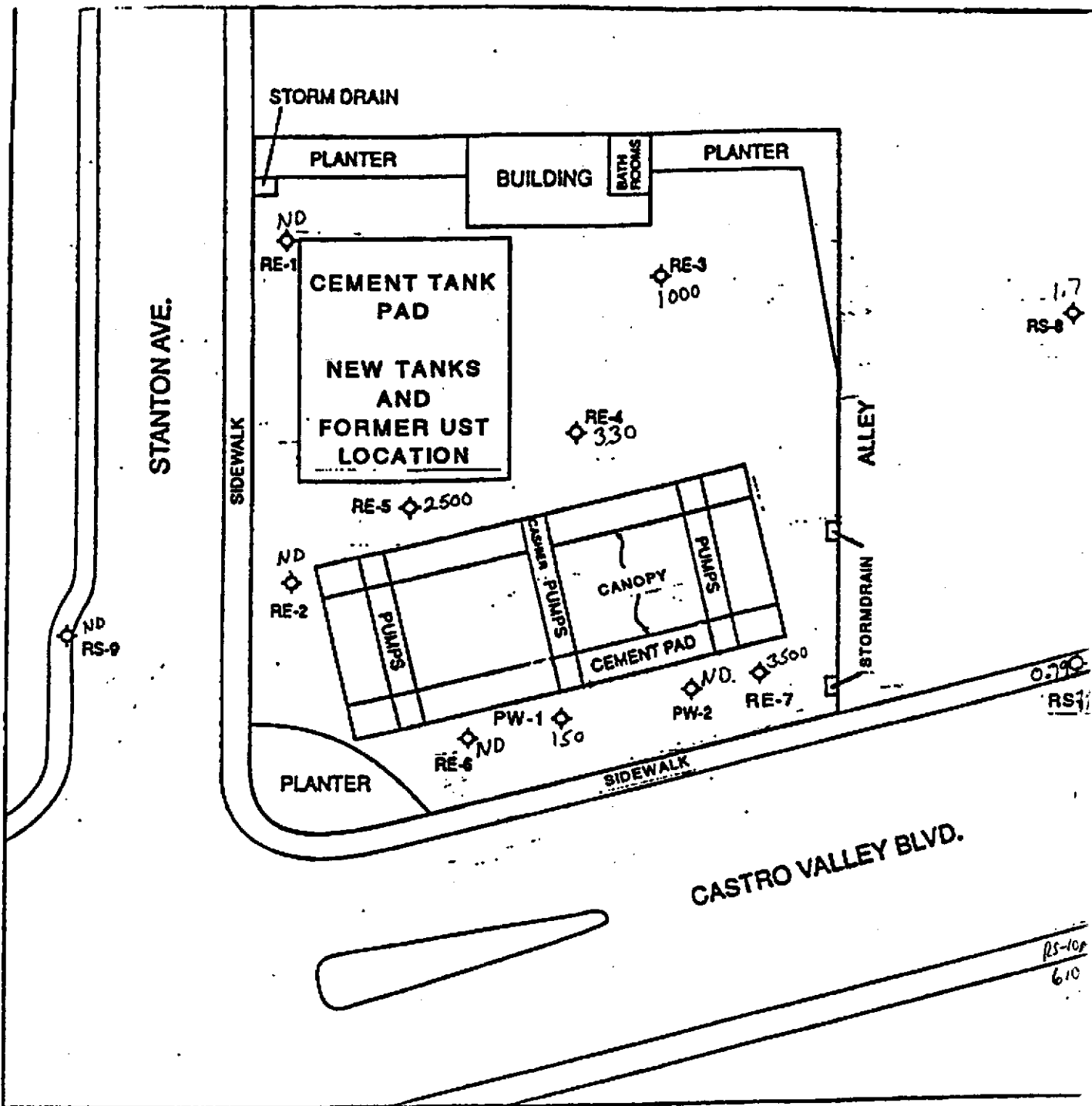
TPH ISOCONCENTRATION MAP PPB

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◆ EXISTING MONITORING WELL

FIGURE 2



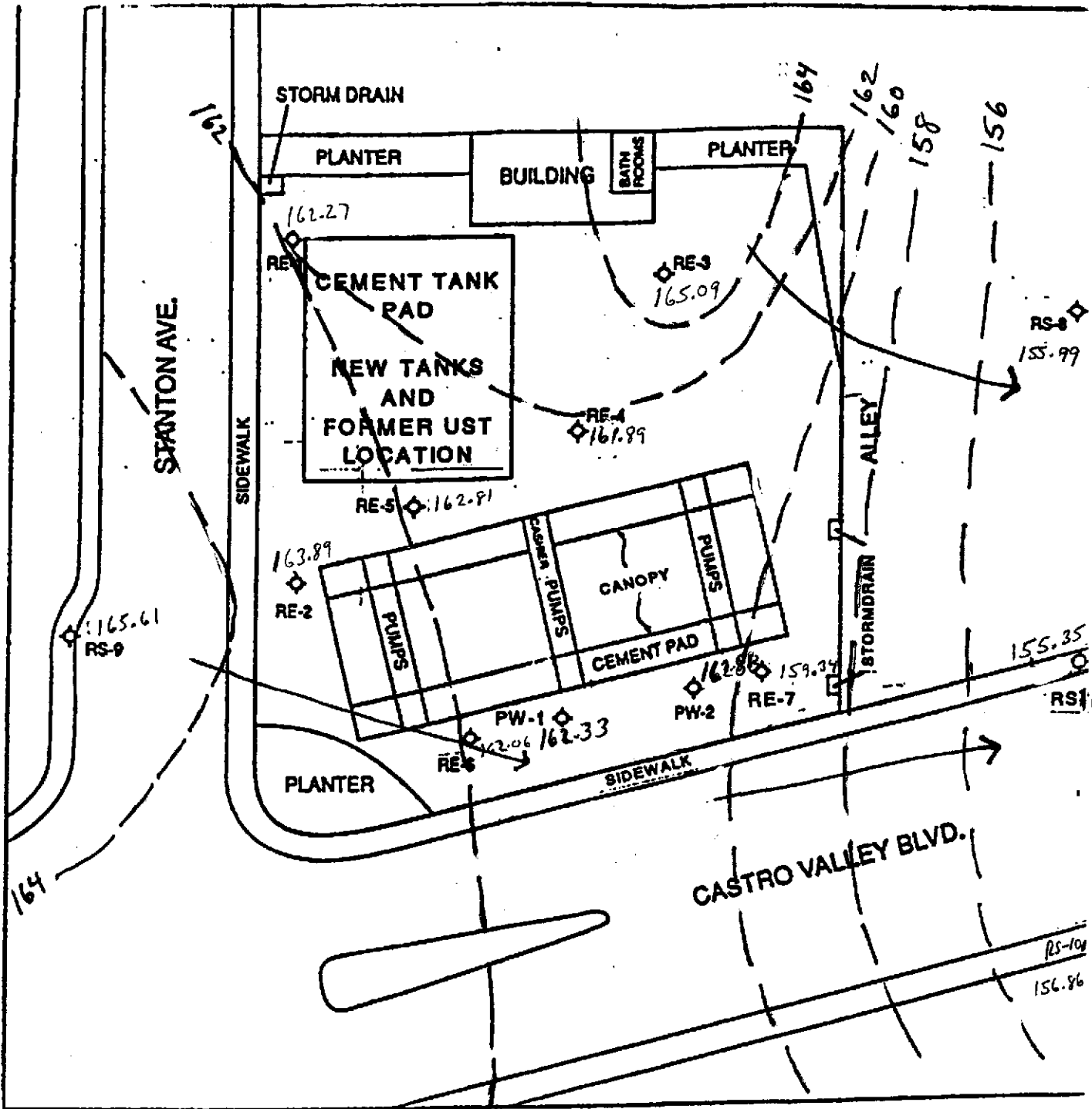
BENZENE ISOCONCENTRATION MAP PPB

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◊ EXISTING MONITORING WELL

FIGURE 3

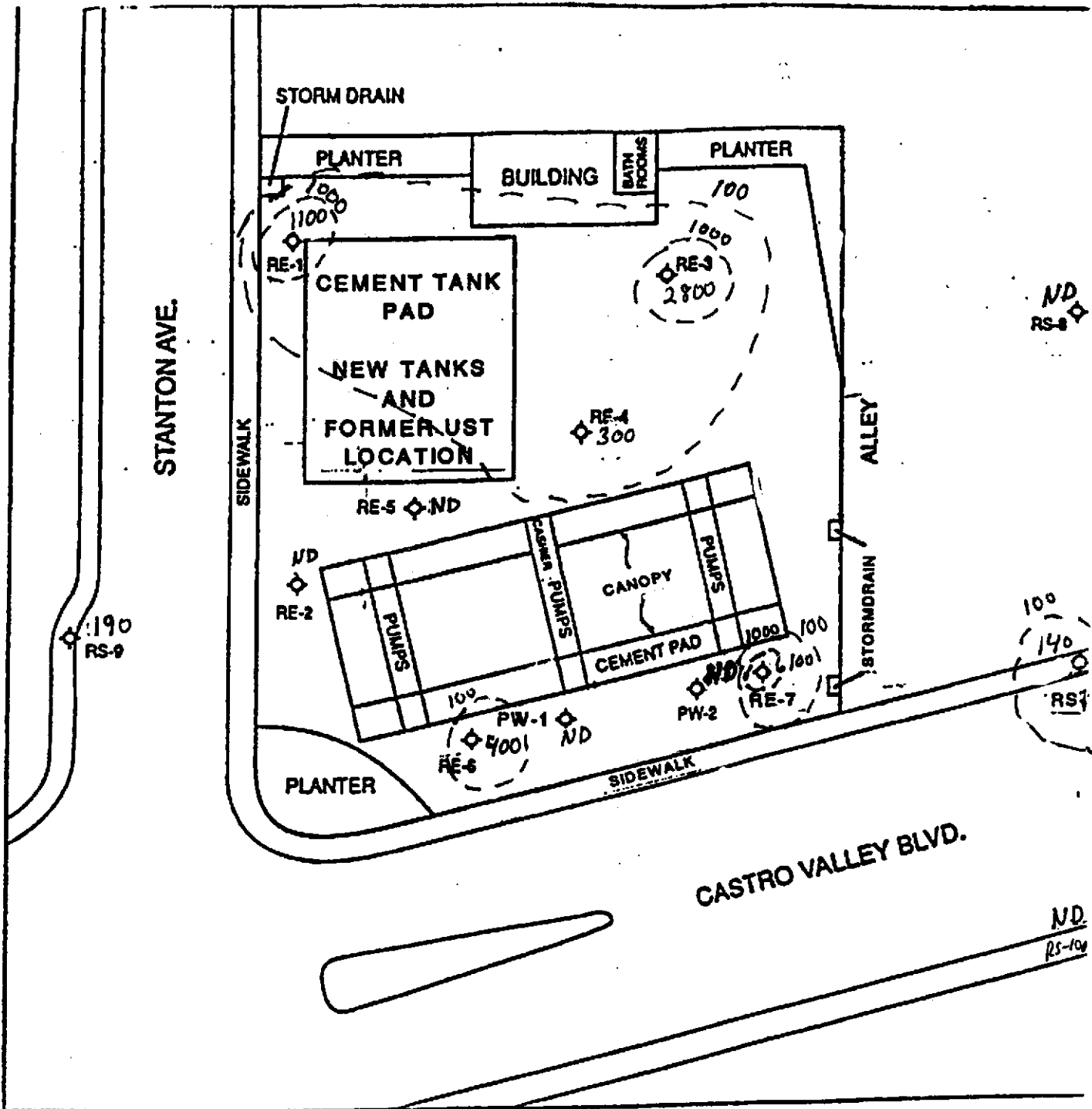


GROUNDWATER CONTOUR MAP
 THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
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 CALIFORNIA



◊ EXISTING MONITORING WELL

FIGURE 4



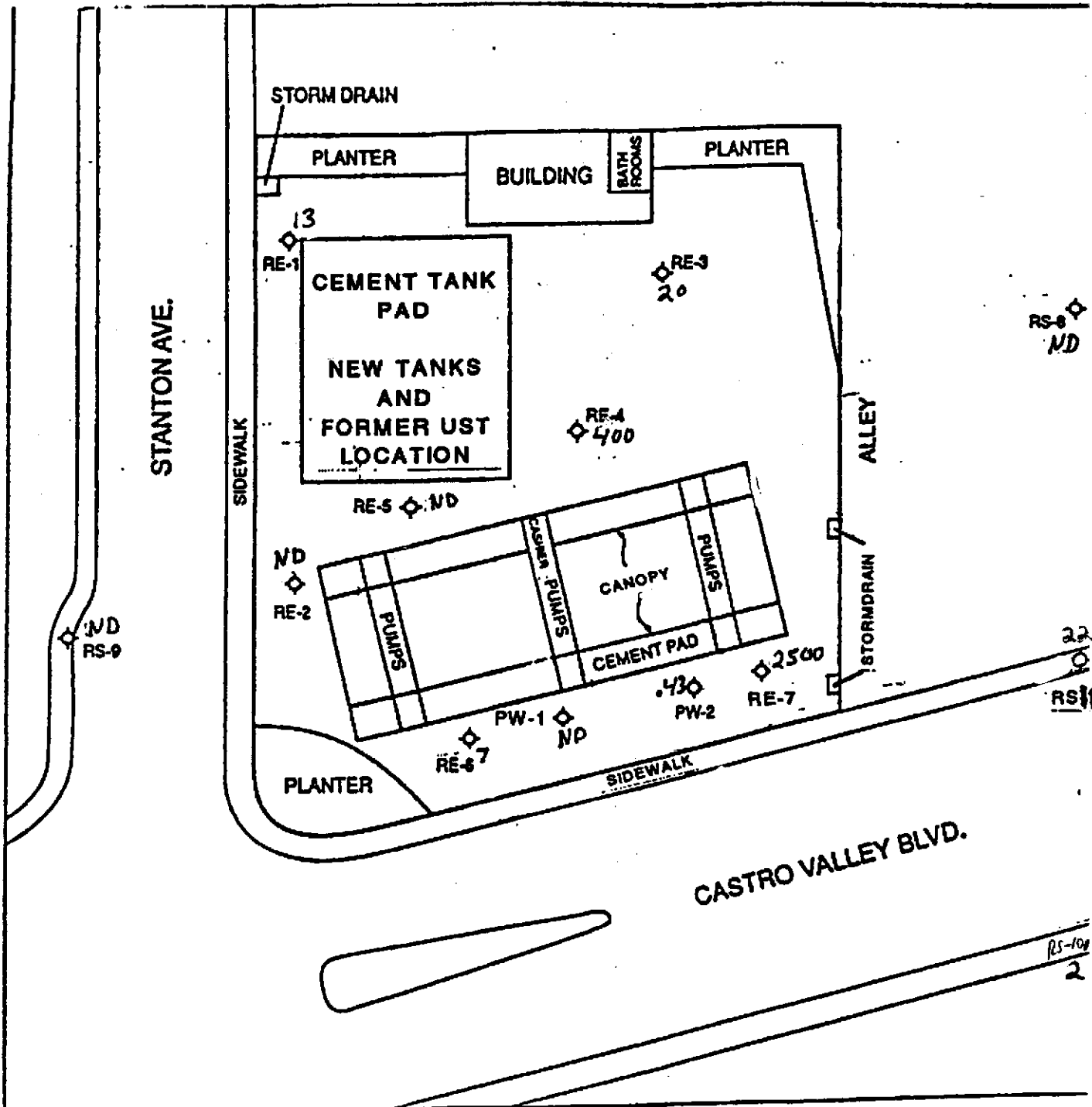
TPH GROUNDWATER ISOCONCENTRATION MAP PPB

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◊ EXISTING MONITORING WELL

FIGURE 5



BENZENE ISOCONCENTRATION MAP PPB

**THRIFTY OIL CO. #054
 CASTRO VALLEY, CALIFORNIA
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 SANTA FE, SPRINGS
 CALIFORNIA**



◇ EXISTING MONITORING WELL

FIGURE 6

TABLE

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
MONITORING WELL #PW-1											
04/11/88	NSC						-	-	-	-	-
04/09/90	230,000	600	2,700	1,000	16,000	-	5.10	-	0.00	166.46	161.36
10/30/90	35,000	240	970	240	3,580	-	6.17	-	0.00	166.46	160.29
01/18/91	37,000	43	140	42	1,600	-	6.28	-	0.00	166.46	160.18
02/12/91	45,000	99	130	25	700	-	5.88	-	0.00	166.46	160.58
03/20/91	1,900	0.43	ND	ND	2.8	-	4.75	-	0.00	166.46	161.71
05/22/91	41000	600	730	250	3800	-	5.10	-	0.00	166.46	161.36
06/19/91	NSC						5.61	-	0.00	166.46	160.85
07/17/91	NSC						5.53	FILM	0.00	166.46	160.93
08/07/91	NSC						5.67	FILM	0.00	166.46	160.79
09/24/91	NSC						5.57	FILM	0.00	166.46	160.89
10/23/91	NSC						6.53	FILM	0.00	166.46	159.93
11/06/91	NSC						5.85	FILM	0.00	166.46	160.61
12/04/91	NSC						5.91	FILM	0.00	166.46	160.55
01/29/92	NSC						5.43	FILM	0.00	166.46	161.03
02/26/92	NSC						5.54	FILM	0.00	166.46	160.92
03/19/92	ND	ND	ND	ND	ND	-	5.47	-	0.00	166.46	160.99
04/22/92	NSC						5.62	FILM	0.00	166.46	160.84
05/21/92	1,300	19	2.9	0.7	58	-	6.21	-	0.00	166.46	160.25
06/25/92	NSC						6.94	-	0.00	166.46	159.52
07/30/92	NSC						5.90	FILM	0.00	166.46	160.56
08/20/92	NSC						7.12	FILM	0.00	166.46	159.34
09/30/92	3,400	57	ND	26	240	-	6.42	-	0.00	166.46	160.04
12/23/92	NSC						5.56	FILM	0.00	166.46	160.90
03/10/93	NSC						5.65	FILM	0.00	166.46	160.81
06/09/93	400	<0.5	1.1	<1.0	<1.0	-	5.30	-	0.00	166.46	161.16
09/14/93	180	3.7	3.2	1.5	14.0	-	5.43	-	0.00	166.46	161.03
12/14/93	<50	<0.3	<0.3	<0.3	<0.5	-	4.65	-	0.00	166.46	161.81
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	5.43	-	0.00	166.46	161.03
06/06/94	330	1.3	<0.3	0.88	9.8	-	4.70	-	0.00	166.46	161.76
09/06/94	1,100	67	<0.3	<0.3	24	-	6.48	-	0.00	166.46	159.98
12/07/94	<50	<0.3	<0.3	<0.5	<0.5	-	5.22	-	0.00	166.46	161.24
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	6.94	-	0.00	166.46	159.52
06/15/95	260	0.8	0.6	<0.5	3.2	-	5.72	-	0.00	166.46	160.74

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
09/05/95	330	2.1	<0.5	2.1	9.6	-	5.96	-	0.00	166.46	160.50
11/21/95	660	13	1.3	<0.3	4.0	-	6.04	-	0.00	166.46	160.42
03/11/96	660	0.94	0.77	<0.3	8.1	-	3.60	-	0.00	166.46	162.86
06/19/96	120	0.53	<0.3	<0.3	2.3	-	4.80	-	0.00	166.46	161.66
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.10	-	0.00	166.46	161.36
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	4.92	-	0.00	166.46	161.54
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.50	-	0.00	166.46	161.96
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/16/97	690	0.97	<0.3	<0.3	<0.5	<0.02	4.55	-	0.00	166.46	161.91
12/09/97	640	150	0.64	<0.3	5.2	1.3	5.60	-	0.00	166.46	160.86
03/03/98	<50	<0.3	0.57	<0.3	<0.5	<0.02	4.13	-	0.00	166.46	162.33
MONITORING WELL PW-2											
04/11/88	NSC						-	-	-	-	-
04/09/90	600,000	1,300	11,000	4,600	4,300	-	5.81	-	0.00	166.18	160.37
10/30/90	48,000	310	51	10	480	-	6.95	-	0.00	166.18	159.23
01/18/91	86,000	230	1400	350	8300	-	6.92	-	0.00	166.18	159.26
02/12/91	160,000	680	1300	250	7000	-	6.78	-	0.00	166.18	159.40
03/20/91	17,000	34	50	ND	1100	-	5.54	-	0.00	166.18	160.64
05/22/91	14,000	57	2100	500	8200	-	6.07	-	0.00	166.18	160.11
06/19/91	NSC						6.37	FILM	0.00	166.18	159.81
07/17/91	NSC						6.38	FILM	0.00	166.18	159.80
08/07/91	NSC						6.63	FILM	0.00	166.18	159.55
09/24/91	NSC						6.42	FILM	0.00	166.18	159.76
10/23/91	NSC						7.25	FILM	0.00	166.18	158.93
11/06/91	NSC						6.44	FILM	0.00	166.18	159.74
12/04/91	NSC						6.65	FILM	0.00	166.18	159.53
01/29/92	NSC						6.17	FILM	0.00	166.18	160.01
02/26/92	NSC						5.90	FILM	0.00	166.18	160.28
03/19/92	NSC						5.80	FILM	0.00	166.18	160.38
04/22/92	NSC						5.88	FILM	0.00	166.18	160.30
05/21/92	NSC						6.03	FILM	0.00	166.18	160.15
06/25/92	NSC						6.57	FILM	0.00	166.18	159.61
07/30/92	NSC						6.20	FILM	0.00	166.18	159.98

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPI (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
08/20/92	NSC						6.64	FILM	0.00	166.18	159.54
09/30/92	NSC						6.88	FILM	0.00	166.18	159.30
12/23/92	NSC						6.08	FILM	0.00	166.18	160.10
03/10/93	NSC						5.95	FILM	0.00	166.18	160.23
06/09/93	3,400	24	22	<0.5	240	-	5.38	-	0.00	166.18	160.80
09/14/93	4,900	190	15.0	6.8	480	-	6.26	-	0.00	166.18	159.92
12/14/93	1,700	4.2	<0.3	<0.3	<0.5	-	5.22	-	0.00	166.18	160.96
03/02/94	NSC						5.75	FILM	0.00	166.18	160.43
06/06/94	980	25	1.2	<0.3	42	-	5.25	-	0.00	166.18	160.93
09/06/94	3,200	95	3.0	<1.7	76	-	6.80	-	0.00	166.18	159.38
12/07/94	510	1.8	<0.3	<0.5	1.7	-	5.57	-	0.00	166.18	160.61
03/08/95	1,900	<0.5	<0.5	1.4	35	-	4.10	-	0.00	166.18	162.08
06/15/95	1,700	5.6	<0.5	<0.5	1.6	-	5.44	-	0.00	166.18	160.74
09/05/95	2,500	33	1.0	0.86	18	-	6.13	-	0.00	166.18	160.05
11/21/95	2,800	130	59	18	190	-	6.23	-	0.00	166.18	159.95
03/11/96	13,000	330	460	<15	3800	-	4.48	-	0.00	166.18	161.70
06/19/96	1,400	<0.3	<0.3	<0.3	<0.5	-	5.38	-	0.00	166.18	160.80
09/16/96	3,500	<0.3	<0.3	<0.3	<0.5	5900	5.21	-	0.00	166.18	160.97
12/10/96	2,100	<0.3	<0.3	<0.3	<0.5	4700	4.87	-	0.00	166.18	161.31
03/12/97	600	1.6	<0.3	<0.3	5.8	1100	4.43	-	0.00	166.18	161.75
06/12/97	270	<0.3	<0.3	<0.3	<0.5	630	-	-	-	-	-
09/10/97	0,220	<0.3	<0.3	<0.3	<0.5	0.32	4.07	-	0.00	166.18	162.11
12/09/97	0,120	<0.3	0.73	<0.3	<0.5	0.42	5.20	-	0.00	166.18	160.98
03/03/98	<50	0.43	0.48	<0.3	<0.5	0.047	3.30	-	0.00	166.18	162.88
MONITORING WELL #RE-1											
04/11/88	37,000	1,900	8,400	1,200	15,000	-	-	-	-	-	-
04/09/90	45000	6100	7000	2000	8800	-	4.99	-	0.00	166.82	161.83
10/30/90	72000	7700	5300	1800	8,900	-	5.95	-	0.00	166.82	160.87
01/18/91	150000	11000	14000	1800	4300	-	5.17	-	0.00	166.82	161.65
02/12/91	140000	11000	12000	1600	13000	-	4.16	-	0.00	166.82	162.66
03/20/91	53000	3100	4200	400	5500	-	4.75	-	0.00	166.82	162.07
05/22/91	85000	8700	10000	1800	12000	-	4.42	-	0.00	166.82	162.40
06/19/91	110000	8500	9600	2600	16,000	-	4.93	-	0.00	166.82	161.89

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CARING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTHB (ug/L)					
07/17/91	5500	950	ND	26	ND	-	5.19	-	0.00	166.82	161.63
08/07/91	NA	6700	5000	ND	7,100	-	5.12	-	0.00	166.82	161.70
09/24/91	60000	6800	4300	640	6,900	-	5.87	-	0.00	166.82	160.95
10/23/91	79000	7900	8300	450	7,100	-	5.81	-	0.00	166.82	161.01
11/06/91	130000	14000	15000	1100	8,800	-	5.56	-	0.00	166.82	161.26
12/04/91	50000	8000	4700	520	4100	-	5.35	-	0.00	166.82	161.47
01/29/92	21000	10300	11000	780	6000	-	4.50	-	0.00	166.82	162.32
02/26/92	38000	8400	10500	720	7100	-	5.27	-	0.00	166.82	161.55
03/19/92	48000	6200	9700	780	7200	-	4.47	-	0.00	166.82	162.35
04/22/92	NSC						4.62	-	0.00	166.82	162.20
05/21/92	20000	7600	10100	830	6900	-	4.98	-	0.00	166.82	161.84
06/25/92	NSC						5.14	FILM	0.00	166.82	161.68
07/30/92	NSC						5.30	FILM	0.00	166.82	161.52
08/20/92	NSC						5.28	FILM	0.00	166.82	161.54
09/30/92	NSC						5.66	FILM	0.00	166.82	161.16
12/23/92	NSC						4.81	FILM	0.00	166.82	162.01
03/10/93	NSC						4.13	FILM	0.00	166.82	162.69
06/09/93	NSC						4.48	FILM	0.00	166.82	162.34
09/14/93	19000	3600	1100	740	4300	-	5.35	-	0.00	166.82	161.47
12/14/93	38000	4300	1300	<6.6	11.0	-	4.38	-	0.00	166.82	162.44
03/02/94	NSC						4.22	FILM	0.00	166.82	162.60
06/06/94	NSC						2.16	FILM	0.00	166.82	164.66
09/06/94	74,000	3,300	3,900	1,200	6,100	-	5.00	-	0.00	166.82	161.82
12/07/94	30,000	3,200	2,900	1,200	4,600	-	4.10	-	0.00	166.82	162.72
03/08/95	28,000	4,200	2,300	810	7,800	-	3.92	-	0.00	166.82	162.90
06/15/95	NSC						-	-	-	-	-
09/05/95	NSC						4.78	FILM	0.00	166.82	162.04
11/21/95	NA	NA	NA	NA	NA	-	4.82	-	0.00	166.82	162.00
03/11/96	270	2.4	6.0	4.5	19	-	3.32	-	0.00	166.82	163.50
06/19/96	3,000	570	63	<1.5	400	-	4.20	-	0.00	166.82	162.62
09/16/96	7,700	440	69	<1.5	680	230	4.68	-	0.00	166.82	162.14
12/10/96	52	<0.3	<0.3	<0.3	<0.5	120	4.93	-	0.00	166.82	161.89
03/12/97	8,700	180	5.4	40	1,100	130	4.10	-	0.00	166.82	162.72
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	36	-	-	-	-	-
09/16/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	4.55	-	0.00	166.82	162.27

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/09/97	<50	<0.3	0.44	<0.3	<0.5	<0.02	5.30	-	0.00	166.82	161.52
03/03/98	1,100	13	0.51	<0.3	<0.5	0.22	4.55	-	0.00	166.82	162.27
MONITORING WELL #RE-2											
04/11/88	NSC						-	-	-	-	-
04/09/90	850	5.8	0.5	4.8	1.1	-	4.90	-	0.00	167.19	162.29
10/30/90	440	2.8	0.91	13	3.14	-	5.34	-	0.00	167.19	161.85
01/18/91	1,100	8.4	3.1	ND	10	-	4.90	-	0.00	167.19	162.29
02/12/91	1,100	5.9	ND	1.77	ND	-	4.94	-	0.00	167.19	162.25
03/20/91	550	4.3	ND	ND	ND	-	4.32	-	0.00	167.19	162.87
05/22/91	1,000	5.3	3.6	4.4	8.9	-	4.43	-	0.00	167.19	162.76
06/19/91	700	2.1	1.4	3.8	3.5	-	6.43	-	0.00	167.19	160.76
07/17/91	880	12.0	8.0	4.3	28.0	-	4.75	-	0.00	167.19	162.44
08/07/91	NA	3.8	1.6	ND	ND	-	4.87	-	0.00	167.19	162.32
09/24/91	670	7.2	7.1	ND	23	-	5.50	-	0.00	167.19	161.69
10/23/91	2,700	52	60	22	130	-	5.63	-	0.00	167.19	161.56
11/06/91	1,900	18	61	9.1	83	-	5.14	-	0.00	167.19	162.05
12/04/91	1,100	26	47	4.3	42	-	5.26	-	0.00	167.19	161.93
01/29/92	900	14	24	5.3	19	-	5.11	-	0.00	167.19	162.08
02/26/92	500	3.4	3.5	2.7	2.7	-	4.31	-	0.00	167.19	162.88
03/19/92	1,200	14	20	15	18	-	4.45	-	0.00	167.19	162.74
04/22/92	200	ND	ND	ND	ND	-	4.78	-	0.00	167.19	162.41
05/21/92	500	7.5	6.8	3.9	7.4	-	5.02	-	0.00	167.19	162.17
06/25/92	ND	ND	0.9	0.7	ND	-	5.13	-	0.00	167.19	162.06
07/30/92	500	7.7	8.6	3.2	1.7	-	5.19	-	0.00	167.19	162.00
08/20/92	1,100	6.6	4.5	2.7	2.0	-	5.27	-	0.00	167.19	161.92
09/30/92	500	5.4	2.4	1.8	4.5	-	5.45	-	0.00	167.19	161.74
12/23/92	800	1.9	ND	ND	2.3	-	4.60	-	0.00	167.19	162.59
03/10/93	1,200	ND	1.4	ND	2.1	-	4.18	-	0.00	167.19	163.01
06/09/93	200	ND	ND	ND	ND	-	4.53	-	0.00	167.19	162.66
09/17/93	360	1.6	1.1	3.2	8.9	-	5.26	-	0.00	167.19	161.93
12/14/93	260	5.6	3.9	<0.3	21.0	-	2.75	-	0.00	167.19	164.44
03/02/94	410	<0.3	<0.3	<0.3	<0.5	-	4.27	-	0.00	167.19	162.92
06/06/94	760	4.6	<0.3	0.32	1.3	-	4.88	-	0.00	167.19	162.31

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EdyBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/06/94	1,300	43	45	8.9	69	-	5.16	-	0.00	167.19	162.03
12/07/94	NA	NA	NA	NA	NA	-	4.16	-	0.00	167.19	163.03
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	3.96	-	0.00	167.19	163.23
06/15/95	130	<0.5	<0.5	<0.5	<1	-	4.52	-	0.00	167.19	162.67
09/05/95	210	<0.5	<0.5	<0.5	<1	-	4.76	-	0.00	167.19	162.43
11/21/95	160	0.65	<0.3	0.35	0.95	-	4.83	-	0.00	167.19	162.36
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	3.36	-	0.00	167.19	163.83
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	4.68	-	0.00	167.19	162.51
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.10	-	0.00	167.19	162.09
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	4.47	-	0.00	167.19	162.72
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.05	-	0.00	167.19	163.14
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	4.08	-	0.00	167.19	163.11
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	4.40	-	0.00	167.19	162.79
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<0.02	3.30	-	0.00	167.19	163.89
MONITORING WELL #RE-3											
04/11/88	70,000	6,600	5,300	800	13,000	-	-	-	-	-	-
04/09/90	370,000	2,300	4,900	3,200	31,000	-	7.15	-	0.00	167.39	160.24
10/30/90	13,000	860	660	220	2,210	-	7.84	-	0.00	167.39	159.55
01/18/91	42,000	4,700	4,500	21	7,700	-	6.90	-	0.00	167.39	160.49
02/12/91	72,000	3,600	4,500	ND	7,600	-	6.62	-	0.00	167.39	160.77
03/20/91	65,000	2,400	9,400	50	9,800	-	5.87	-	0.00	167.39	161.52
05/22/91	NSC						5.98	FILM	0.00	167.39	161.41
06/19/91	NSC						6.84	FILM	0.00	167.39	160.55
07/17/91	NSC						7.10	FILM	0.00	167.39	160.29
08/07/91	NSC						7.30	FILM	0.00	167.39	160.09
09/24/91	NSC						7.84	FILM	0.00	167.39	159.55
10/23/91	NSC						8.07	FILM	0.00	167.39	159.32
11/06/91	NSC						7.63	FILM	0.00	167.39	159.76
12/04/91	NSC						7.83	FILM	0.00	167.39	159.56
01/29/92	NSC						7.17	FILM	0.00	167.39	160.22
02/26/92	NSC						5.56	FILM	0.00	167.39	161.83
03/19/92	NSC						5.44	FILM	0.00	167.39	161.95

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/22/92	NSC						6.56	FILM	0.00	167.39	160.83
05/21/92	NSC						6.90	FILM	0.00	167.39	160.49
06/25/92	NSC						7.18	FILM	0.00	167.39	160.21
07/30/92	NSC						6.80	FILM	0.00	167.39	160.59
08/20/92	NSC						7.25	FILM	0.00	167.39	160.14
09/30/92	NSC						7.68	FILM	0.00	167.39	159.71
12/23/92	NSC						6.07	FILM	0.00	167.39	161.32
03/10/93	NSC						5.66	FILM	0.00	167.39	161.73
06/09/93	NSC						6.66	FILM	0.00	167.39	160.73
09/14/93	40,000	2,900	1,500	180	6,900	-	7.30	-	0.00	167.39	160.09
12/14/93	NSC						5.95	-	0.00	167.39	161.44
03/02/94	NSC						5.08	-	0.00	167.39	162.31
06/06/94	NSC						6.35	FILM	0.00	167.39	161.04
09/06/94	11,000	260	26	<6.6	1,000	-	7.50	-	0.00	167.39	159.89
12/07/94	NSC						5.48	FILM	0.00	167.39	161.91
03/08/95	NSC						5.18	FILM	0.00	167.39	162.21
06/15/95	NSC						-	-	-	-	-
09/05/95	NSC						6.84	FILM	0.00	167.39	160.55
11/21/95	10,000	210	<3	4.5	330	-	7.38	-	0.00	167.39	160.01
03/11/96	1,600	640	15	10	46	-	4.85	-	0.00	167.39	162.54
06/19/96	2,100	280	<3	<3	120	-	5.80	-	0.00	167.39	161.59
09/16/96	140	<0.3	<0.3	<0.3	<0.5	110	4.50	-	0.00	167.39	162.89
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.35	-	0.00	167.39	162.04
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	3.48	-	0.00	167.39	163.91
06/12/97	<50	<0.3	<0.3	<0.3	0.58	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	3.10	-	0.00	167.39	164.29
12/09/97	3,600	1,000	1,000	<6	570	0.26	4.55	-	0.00	167.39	162.84
03/03/98	2,800	20	0.65	0.39	16	5.6	2.30	-	0.00	167.39	165.09
MONITORING WELL #RE-4											
04/11/88	15,000	12,000	8,000	1,000	2,700	-	-	-	-	-	-
04/09/90	NSC						-	-	-	-	-
10/30/90	87,000	7,200	10,000	1,600	12,900	-	7.04	-	0.00	166.94	159.90
01/18/91	70,000	5,000	5,400	790	9,900	-	11.62	-	0.00	166.94	155.32

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
02/12/91	87,000	5,200	2,800	240	11,000	-	11.63	-	0.00	166.94	155.31
03/20/91	6,500	370	230	17	670	-	11.61	-	0.00	166.94	155.33
05/22/91	NSC						10.30	FILM	0.00	166.94	156.64
06/19/91	NSC						11.10	FILM	0.00	166.94	155.84
07/17/91	NSC						6.20	FILM	0.00	166.94	160.74
08/17/91	NSC						8.15	FILM	0.00	166.94	158.79
09/24/91	NSC						10.40	FILM	0.00	166.94	156.54
10/23/91	NSC						11.20	FILM	0.00	166.94	155.74
11/06/91	NSC						6.62	FILM	0.00	166.94	160.32
12/04/91	NSC						11.20	ILM	0.00	166.94	155.74
01/29/92	NSC						7.72	FILM	0.00	166.94	159.22
02/26/92	NSC						5.13	FILM	0.00	166.94	161.81
03/19/92	NSC						5.00	FILM	0.00	166.94	161.94
04/22/92	NSC						5.94	FILM	0.00	166.94	161.00
05/21/92	NSC						5.40	FILM	0.00	166.94	161.54
06/25/92	NSC						5.71	FILM	0.00	166.94	161.23
07/30/92	NSC						6.33	FILM	0.00	166.94	160.61
08/20/92	NSC						5.80	FILM	0.00	166.94	161.14
09/30/92	NSC						6.34	FILM	0.00	166.94	160.60
12/23/92	NSC						5.50	FILM	0.00	166.94	161.44
03/10/93	NSC						4.67	FILM	0.00	166.94	162.27
06/09/93	NSC						5.12	FILM	0.00	166.94	161.82
09/14/93	NSC						10.44	-	0.00	166.94	156.50
12/14/93	NSC						7.52	-	0.00	166.94	159.42
03/02/94	NSC						4.85	-	0.00	166.94	162.09
06/06/94	NSC						5.20	FILM	0.00	166.94	161.74
09/06/94	NSC						9.85	FILM	0.00	166.94	157.09
12/07/94	NSC						5.20	FILM	0.00	166.94	161.74
03/08/95	NSC						4.98	FILM	0.00	166.94	161.96
06/15/95	NSC						-	-	-	-	-
09/05/95	NSC						13.72	FILM	0.00	166.94	153.22
11/21/95	32,000	46	21	66	340	-	12.53	-	0.00	166.94	154.41
03/11/96	1,700	130	15	2.0	120	-	4.72	-	0.00	166.94	162.22
06/19/96	1,700	230	30	0.35	100	-	5.40	-	0.00	166.94	161.54
09/16/96	510	<0.3	0.73	<0.3	<0.5	800	5.18	-	0.00	166.94	161.76

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
12/10/96	520	<0.3	<0.3	<0.3	<0.5	1,000	4.65	-	0.00	166.94	162.29
03/12/97	420	3.2	<0.3	<0.3	11	370	3.87	-	0.00	166.94	163.07
06/12/97	510	0.66	<0.3	<0.3	<0.5	1,600	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	5.40	-	0.00	166.94	161.54
12/09/97	1,400	330	2.3	<0.3	1.5	2.5	4.60	-	0.00	166.94	162.34
03/03/98	3,000	400	0.61	0.5	97	3.8	5.05	-	0.00	166.94	161.89
MONITORING WELL #RE-5											
04/11/88	14,000	1,300	1,100	100	2,600	-	-	-	-	-	-
04/09/90	3,000	690	190	40	270	-	4.79	-	0.00	166.51	161.72
10/30/90	3,400	910	48	87	249	-	5.86	-	0.00	166.51	160.65
01/18/91	1,400	180	8.6	0.52	48	-	4.40	-	0.00	166.51	162.11
02/12/91	1,000	ND	ND	0.65	ND	-	4.76	-	0.00	166.51	161.75
03/20/91	3,000	250	53	ND	110	-	5.08	-	0.00	166.51	161.43
05/22/91	2,500	330	7.8	5.6	200	-	4.52	-	0.00	166.51	161.99
01/19/91	2,000	59	1.6	5.1	110	-	4.39	-	0.00	166.51	162.12
07/17/91	NSC						5.05	FILM	0.00	166.51	161.46
08/07/91	NSC						5.02	FILM	0.00	166.51	161.49
09/24/91	NSC						5.86	FILM	0.00	166.51	160.65
10/23/91	NSC						5.84	FILM	0.00	166.51	160.67
11/06/91	9,900	2,300	37	260	160	-	5.48	-	0.00	166.51	161.03
12/04/91	4,500	1,000	27	ND	180	-	5.43	-	0.00	166.51	161.08
01/29/92	600	6.1	2.3	ND	47	-	5.12	-	0.00	166.51	161.39
02/26/92	500	5.4	2.7	1.2	14	-	4.93	-	0.00	166.51	161.58
03/19/92	ND	1.7	1.1	ND	5.5	-	4.45	-	0.00	166.51	162.06
04/22/92	1,600	240	2.2	ND	160	-	4.63	-	0.00	166.51	161.88
05/21/92	1,200	410	37	ND	118	-	4.90	-	0.00	166.51	161.61
06/25/92	ND	1.0	0.8	0.8	0.4	-	5.15	-	0.00	166.51	161.36
07/30/92	ND	2.0	1.8	1.9	6.4	-	5.30	-	0.00	166.51	161.21
08/20/92	300	1.7	3.3	0.7	12	-	5.44	-	0.00	166.51	161.07
09/30/92	1,900	140	ND	19	35	-	5.73	-	0.00	166.51	160.78
12/23/92	400	8.0	ND	ND	ND	-	4.75	-	0.00	166.51	161.76
03/10/93	1,100	290	9.7	ND	75	-	4.14	-	0.00	166.51	162.37
06/09/93	400	1.5	0.5	ND	12	-	5.42	-	0.00	166.51	161.09

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
09/14/93	240	6.9	8.8	1.4	67	-	5.53	-	0.00	166.51	160.98
12/14/93	3,300	510	5.4	4.1	55	-	478	-	0.00	166.51	-311.49
03/02/94	2,400	270	4.5	<0.3	13	-	4.20	-	0.00	166.51	162.31
06/06/94	730	<0.3	<0.3	0.70	22	-	5.13	-	0.00	166.51	161.38
09/06/94	2,400	180	28	2.3	76	-	5.45	-	0.00	166.51	161.06
12/07/94	540	5.6	<0.3	<0.5	6.9	-	4.13	-	0.00	166.51	162.38
03/08/95	1,500	220	5.5	<0.5	83	-	5.20	-	0.00	166.51	161.31
06/15/95	3,200	820	53	6.2	74	-	4.93	-	0.00	166.51	161.58
09/05/95	4,400	440	22	<2.5	57	-	5.03	-	0.00	166.51	161.48
11/21/95	660	3.4	<0.3	<0.3	0.6	-	5.23	-	0.00	166.51	161.28
03/11/96	1,000	76	2.2	<0.3	130	-	4.16	-	0.00	166.51	162.35
06/09/96	90	<0.3	<0.3	<0.3	<0.5	-	5.42	-	0.00	166.51	161.09
09/16/96	1,900	5.8	<0.3	<0.3	5.9	1,100	5.20	-	0.00	166.51	161.31
12/10/96	740	<0.3	<0.3	<0.3	<0.5	1,300	5.27	-	0.00	166.51	161.24
03/12/97	2,000	600	59	5.1	54	1,300	3.85	-	0.00	166.51	162.66
06/12/97	230	<0.3	<0.3	<0.3	<0.5	720	-	-	-	-	-
09/10/97	210	<0.3	<0.3	<0.3	<0.5	0.21	4.10	-	0.00	166.51	162.41
12/09/97	11,000	2500	2700	<6	1,500	0.51	5.20	-	0.00	166.51	161.31
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<0.02	3.70	-	0.00	166.51	162.81
MONITORING WELL #R-6											
04/11/88	6,000	3,000	40	80	140	-	-	-	-	-	-
04/09/90	3,000	990	ND	70	ND	-	5.64	-	0.00	166.51	160.87
10/30/90	3,400	1,000	28	ND	ND	-	6.68	-	0.00	166.51	159.83
01/18/91	6,300	1,200	ND	3	15	-	6.61	-	0.00	166.51	159.90
02/12/91	5,200	850	8.4	4.9	41	-	6.20	-	0.00	166.51	160.31
03/20/91	5,800	680	12	8	16	-	5.62	-	0.00	166.51	160.89
05/22/91	8,500	1,700	14	24	6.7	-	6.05	-	0.00	166.51	160.46
06/19/91	NSC						6.12	FILM	0.00	166.51	160.39
07/17/91	120,000	9,300	13,000	2,400	16,000	-	6.20	-	0.00	166.51	160.31
08/07/91	NA	590	5.3	ND	14	-	6.27	-	0.00	166.51	160.24
09/24/91	7,000	310	11	5.3	35	-	6.63	-	0.00	166.51	159.88
10/23/91	NSC						6.36	FILM	0.00	166.51	160.15
11/06/91	4,000	710	18	29	49	-	6.15	-	0.00	166.51	160.36

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
12/04/91	4,100	1,100	14	33	39	-	6.19	-	0.00	166.51	160.32
01/29/92	2,600	790	14	ND	49	-	6.70	-	0.00	166.51	159.81
02/26/92	3,100	950	21	30	33	-	5.44	-	0.00	166.51	161.07
03/19/92	2,200	630	14	12	40	-	5.30	-	0.00	166.51	161.21
04/22/92	NA	730	2.2	ND	40	-	6.00	-	0.00	166.51	160.51
05/21/92	1,500	840	7.8	7.1	34	-	6.25	-	0.00	166.51	160.26
06/25/92	<2000	740	8	27	28	-	6.38	-	0.00	166.51	160.13
07/30/92	NSC						6.42	FILM	0.00	166.51	160.09
08/20/92	2,800	630	17	23	22	-	6.50	-	0.00	166.51	160.01
09/30/92	7,800	540	ND	12	29	-	6.66	-	0.00	166.51	159.85
12/23/92	1,800	350	ND	7.7	11	-	5.83	-	0.00	166.51	160.68
03/10/93	3,000	830	5.6	19	16	-	5.63	-	0.00	166.51	160.88
06/09/93	4,800	920	6.2	3.2	12	-	6.01	-	0.00	166.51	160.50
09/14/93	3,600	660	7.5	11	27	-	6.53	-	0.00	166.51	159.98
12/14/93	1,500	200	<0.3	<0.3	8.8	-	3.58	-	0.00	166.51	162.93
03/02/94	NSC						5.12	-	0.00	166.51	161.39
06/06/94	2,400	290	4.6	1.3	24	-	1.85	-	0.00	166.51	164.66
09/06/94	4,300	230	21	<6.6	130	-	6.40	-	0.00	166.51	160.11
12/07/94	1,500	17	2.5	3.2	22	-	5.68	-	0.00	166.51	160.83
03/08/95	2,500	460	5.5	2.1	51	-	5.12	-	0.00	166.51	161.39
06/15/95	2,300	91	1.1	0.7	97	-	5.72	-	0.00	166.51	160.79
09/05/95	3,300	60	<10	<10	74	-	5.94	-	0.00	166.51	160.57
11/21/95	2,000	7.3	<0.3	0.56	8.7	-	6.24	-	0.00	166.51	160.27
03/11/96	840	43	0.96	5.7	14	-	5.16	-	0.00	166.51	161.35
06/19/96	1,800	160	2.7	9.9	25	-	5.80	-	0.00	166.51	160.71
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.38	-	0.00	166.51	161.13
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.62	-	0.00	166.51	160.89
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.20	-	0.00	166.51	161.31
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	440	<0.3	<0.3	<0.3	<0.5	0.32	5.20	-	0.00	166.51	161.31
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	5.97	-	0.00	166.51	160.54
03/03/98	400	7.0	<0.3	<0.3	4.3	0.065	4.45	-	0.00	166.51	162.06

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIRE (ug/L)					
MONITORING WELL #RE-7											
04/11/88	<50000	17,000	4,400	600	8,400	-	-	-	-	-	-
04/09/90	16,000	7,000	1,200	640	1,600	-	5.93	-	0.00	166.04	160.11
10/30/90	31,000	14,000	ND	ND	ND	-	8.21	-	0.00	166.04	157.83
01/18/91	NSC						11.80	-	0.00	166.04	154.24
02/12/91	NSC						10.80	FILM	0.00	166.04	155.24
03/20/91	120,000	12,000	2,800	490	6,600	-	9.96	-	0.00	166.04	156.08
05/22/91	NSC						11.70	FILM	0.00	166.04	154.34
06/19/91	NSC						11.50	FILM	0.00	166.04	154.54
07/17/91	NSC						7.80	FILM	0.00	166.04	158.24
08/07/91	NSC						9.88	0.03	9.85	166.04	163.60
09/24/91	NSC						9.85	0.03	9.82	166.04	163.60
10/23/91	NSC						9.96	FILM	0.00	166.04	156.08
11/06/91	NSC						6.77	FILM	0.00	166.04	159.27
12/04/91	NSC						10.80	FILM	0.00	166.04	155.24
01/29/92	NSC						8.64	FILM	0.00	166.04	157.40
02/26/92	NSC						6.00	FILM	0.00	166.04	160.04
03/19/92	NSC						5.55	FILM	0.00	166.04	160.49
04/22/92	NSC						6.12	FILM	0.00	166.04	159.92
05/21/92	NSC						6.40	FILM	0.00	166.04	159.64
06/25/92	NSC						6.73	0.02	6.71	166.04	164.38
07/30/92	NSC						6.73	FILM	0.00	166.04	159.31
08/20/92	NSC						6.82	FILM	0.00	166.04	159.22
09/30/92	NSC						7.26	FILM	0.00	166.04	158.78
12/23/92	NSC						6.22	FILM	0.00	166.04	159.82
03/10/93	NSC						5.82	FILM	0.00	166.04	160.22
06/09/93	NSC						6.17	FILM	0.00	166.04	159.87
09/14/93	NSC						11.33	-	0.00	166.04	154.71
12/14/93	NSC						8.40	-	0.00	166.04	157.64
03/02/94	NSC						6.82	-	0.00	166.04	159.22
06/06/94	NSC						10.95	FILM	0.00	166.04	155.09
09/06/94	NSC						11.30	FILM	0.00	166.04	154.74
12/07/94	NSC						5.63	FILM	0.00	166.04	160.41
03/08/95	NSC						5.06	FILM	0.00	166.04	160.98
06/15/95	NSC						-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	NSC						7.98	FILM	0.00	166.04	158.06
11/21/95	20,000	8,800	110	<30	310	-	7.32	-	0.00	166.04	158.72
03/11/96	4,800	2,200	38	26	120	-	5.62	-	0.00	166.04	160.42
06/19/96	4,400	3,300	49	5.8	70	-	6.40	-	0.00	166.04	159.64
09/19/96	7,200	510	83	<0.3	710	130	6.20	-	0.00	166.04	159.84
12/10/96	700	<0.3	<0.3	<0.3	<0.5	1,400	5.92	-	0.00	166.04	160.12
03/12/97	660	0.31	<0.3	<0.3	<0.5	1,400	5.62	-	0.00	166.04	160.42
06/12/97	320	<0.3	0.45	<0.3	<0.5	850	-	-	-	-	-
09/10/97	780	<0.3	<0.3	<0.3	<0.5	0.93	7.45	-	0.00	166.04	158.59
12/09/97	14,000	3,500	3,700	<15	2,100	1.1	7.10	-	0.00	166.04	158.94
03/03/98	6,100	2,500	18	<6	110	0.27	6.70	-	0.00	166.04	159.34
MONITORING WELL #RS-3											
08/07/91	ND	ND	ND	ND	ND	-	9.68	-	0.00	164.32	154.64
09/27/91	ND	ND	ND	ND	ND	-	9.89	-	0.00	164.32	154.43
10/23/91	ND	ND	ND	ND	ND	-	10.05	-	0.00	164.32	154.27
11/06/91	ND	ND	ND	ND	ND	-	9.71	-	0.00	164.32	154.61
12/04/91	ND	ND	ND	ND	ND	-	10.00	-	0.00	164.32	154.32
01/29/92	ND	2.1	1.0	2.5	3.6	-	9.28	-	0.00	164.32	155.04
02/26/92	ND	ND	0.7	ND	0.7	-	7.05	-	0.00	164.32	157.27
03/19/92	ND	0.5	1.0	1.5	2.7	-	7.30	-	0.00	164.32	157.02
04/22/92	ND	ND	ND	ND	ND	-	8.60	-	0.00	164.32	155.72
05/21/92	ND	ND	ND	ND	ND	-	9.22	-	0.00	164.32	155.10
06/25/92	ND	ND	ND	ND	ND	-	9.49	-	0.00	164.32	154.83
07/30/92	ND	1.1	4.2	ND	3.0	-	9.55	-	0.00	164.32	154.77
08/20/92	ND	2.0	4.7	ND	5.7	-	9.63	-	0.00	164.32	154.69
09/30/92	ND	ND	ND	ND	ND	-	9.90	-	0.00	164.32	154.42
12/23/92	ND	ND	ND	ND	ND	-	9.96	-	0.00	164.32	154.36
05/10/93	ND	ND	ND	ND	ND	-	8.95	-	0.00	164.32	155.37
06/09/93	ND	ND	ND	ND	ND	-	9.00	-	0.00	164.32	155.32
09/14/93	200	0.3	ND	ND	ND	-	9.50	-	0.00	164.32	154.82
12/14/93	ND	ND	ND	ND	ND	-	8.75	-	0.00	164.32	155.57
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	7.52	-	0.00	164.32	156.80
06/06/94	54	<0.3	<0.3	<0.3	2.4	-	9.00	-	0.00	164.32	155.32

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	9.26	-	0.00	164.32	155.06
12/07/94	130	2.5	1.9	1.3	3.6	-	8.67	-	0.00	164.32	155.65
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	8.34	-	0.00	164.32	155.98
06/15/95	<100	1.0	<0.5	<0.5	<1	-	9.12	-	0.00	164.32	155.20
09/05/95	<100	<0.5	<0.5	<0.5	<1	-	9.56	-	0.00	164.32	154.76
11/21/95	<50	0.44	<0.3	<0.3	1.5	-	9.28	-	0.00	164.32	155.04
03/11/96	<50	1.3	<0.3	<0.3	0.6	-	7.52	-	0.00	164.32	156.80
06/19/96	640	72	20	34	150	-	7.80	-	0.00	164.32	156.52
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	20	9.18	-	0.00	164.32	155.14
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.08	-	0.00	164.32	158.24
03/12/97	53	0.45	<0.3	<0.3	<0.5	140	8.65	-	0.00	164.32	155.67
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	68	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	8.30	-	0.00	164.32	156.02
12/09/97	<50	1.7	2.1	<0.3	1.4	0.082	9.98	-	0.00	164.32	154.34
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	0.084	8.33	-	0.00	164.32	155.99
MONITORING WELL #RS-9											
08/07/91	NA	0.5	ND	330	1,200	-	2.28	-	0.00	167.51	165.23
09/27/91	13,000	3.5	3.0	82	140	-	2.77	-	0.00	167.51	164.74
10/23/91	11,000	ND	ND	39	340	-	3.53	-	0.00	167.51	163.98
11/06/91	6,800	8.4	0.6	22	230	-	2.51	-	0.00	167.51	165.00
12/04/91	6,500	6.5	0.7	87	200	-	3.20	-	0.00	167.51	164.31
01/29/92	8,100	22	10	140	260	-	2.65	-	0.00	167.51	164.86
02/26/92	13,000	40	16	220	600	-	3.42	-	0.00	167.51	164.09
03/19/92	12,000	21	12	100	280	-	3.12	-	0.00	167.51	164.39
04/22/92	8,600	ND	ND	20	37	-	3.24	-	0.00	167.51	164.27
05/21/92	6,000	21	10	53	210	-	3.75	-	0.00	167.51	163.76
06/25/92	370	2.3	1.5	0.7	4.3	-	2.65	-	0.00	167.51	164.86
07/30/92	3,600	20	ND	39	80	-	2.70	-	0.00	167.51	164.81
08/20/92	3,000	0.7	5.2	2.0	5.3	-	2.83	-	0.00	167.51	164.68
09/30/92	9,200	4.8	6.5	12	91	-	2.80	-	0.00	167.51	164.71
12/23/92	2,000	17	ND	8.2	18	-	2.45	-	0.00	167.51	165.06
03/10/93	1,500	ND	2.6	21	12	-	2.40	-	0.00	167.51	165.11
06/09/93	1,300	0.6	1.7	ND	7.5	-	3.55	-	0.00	167.51	163.96

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
09/14/93	1,500	1.3	7.6	4.1	14.0	-	2.81	-	0.00	167.51	164.70
12/14/93	560	ND	ND	ND	5.5	-	2.63	-	0.00	167.51	164.88
03/02/94	1,100	<0.3	<0.3	<0.3	<0.5	-	2.60	-	0.00	167.51	164.91
06/06/94	290	0.58	0.53	1.1	5.8	-	2.52	-	0.00	167.51	164.99
09/06/94	890	<0.3	<0.3	<0.3	3.1	-	3.16	-	0.00	167.51	164.35
12/07/94	940	22	23	10	32	-	5.18	-	0.00	167.51	162.33
03/08/95	1,600	<0.5	<0.5	<0.5	2.3	-	4.57	-	0.00	167.51	162.94
06/15/95	3,200	2.2	5.3	4.3	3.1	-	5.08	-	0.00	167.51	162.43
09/05/95	1,100	<0.5	<0.5	<0.5	<1	-	5.72	-	0.00	167.51	161.79
11/21/95	1,100	1.1	2.9	3.5	3.0	-	2.46	-	0.00	167.51	165.05
03/11/96	440	0.7	0.34	<0.3	3.7	-	3.44	-	0.00	167.51	164.07
06/19/96	580	3.8	0.49	1.2	<0.5	-	3.80	-	0.00	167.51	163.71
09/16/96	490	<0.3	1.6	<0.3	<0.5	<20	3.80	-	0.00	167.51	163.71
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	2.76	-	0.00	167.51	164.75
03/12/97	<50	<0.3	0.42	<0.3	1.5	<20	3.20	-	0.00	167.51	164.31
06/12/97	<50	<0.3	<0.3	<0.3	0.51	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	4.24	-	0.00	167.51	163.27
12/09/97	<50	<0.3	0.48	<0.3	<0.5	<0.02	2.72	-	0.00	167.51	164.79
03/03/98	190	<0.3	<0.3	0.38	<0.5	<0.02	1.90	-	0.00	167.51	165.61
MONITORING WELL IRS-10											
08/07/91	ND	ND	ND	ND	ND	-	6.16	-	0.00	162.89	156.73
09/27/91	ND	ND	ND	ND	ND	-	6.48	-	0.00	162.89	156.41
10/23/91	ND	ND	ND	ND	ND	-	7.37	-	0.00	162.89	155.52
11/06/91	ND	ND	ND	ND	ND	-	6.44	-	0.00	162.89	156.45
12/04/91	ND	ND	ND	ND	ND	-	7.02	-	0.00	162.89	155.87
01/29/92	ND	ND	ND	ND	ND	-	6.78	-	0.00	162.89	156.11
02/26/92	ND	ND	ND	ND	ND	-	8.33	-	0.00	162.89	154.56
03/19/92	ND	ND	ND	ND	0.6	-	8.02	-	0.00	162.89	154.87
04/22/92	ND	ND	ND	ND	ND	-	7.78	-	0.00	162.89	155.11
05/21/92	ND	ND	0.6	ND	1.2	-	6.21	-	0.00	162.89	156.68
06/25/92	ND	ND	ND	ND	ND	-	7.73	-	0.00	162.89	155.16
07/30/92	ND	ND	0.5	ND	1.0	-	7.84	-	0.00	162.89	155.05
08/20/92	ND	ND	ND	ND	ND	-	7.50	-	0.00	162.89	155.39

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTHB (ug/L)					
09/30/92	ND	ND	ND	ND	ND	-	7.63	-	0.00	162.89	155.26
12/23/92	ND	ND	ND	ND	ND	-	7.24	-	0.00	162.89	155.65
03/10/93	ND	ND	ND	ND	ND	-	6.38	-	0.00	162.89	156.51
06/09/93	ND	ND	ND	ND	ND	-	7.98	-	0.00	162.89	154.91
09/14/93	ND	ND	ND	ND	ND	-	7.35	-	0.00	162.89	155.54
03/02/94	<50	<0.3	<0.3	<0.3	<0.3	-	7.00	-	0.00	162.89	155.89
06/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	6.55	-	0.00	162.89	156.34
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	7.63	-	0.00	162.89	155.26
12/07/94	56	<0.3	<0.3	<0.5	2.1	-	5.92	-	0.00	162.89	156.97
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	7.84	-	0.00	162.89	155.05
06/15/95	<100	<0.5	<0.5	<0.5	<1	-	6.97	-	0.00	162.89	155.92
09/05/95	<100	<0.5	<0.5	<0.5	<1	-	8.14	-	0.00	162.89	154.75
11/21/95	<50	<0.3	<0.3	<0.3	<0.5	-	7.68	-	0.00	162.89	155.21
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.76	-	0.00	162.89	156.13
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	7.20	-	0.00	162.89	155.69
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.30	-	0.00	162.89	156.59
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.05	-	0.00	162.89	156.84
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.56	-	0.00	162.89	155.33
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	7.55	-	0.00	162.89	155.34
12/09/97	1,900	610	510	<6	290	<0.02	7.55	-	0.00	162.89	155.34
03/03/98	<50	2.0	<0.3	<0.3	<0.5	0.027	6.03	-	0.00	162.89	156.86
MONITORING WELL ARS-11											
09/21/95	110	<0.5	<0.5	<0.5	<1	-	9.37	-	0.00	163.28	153.91
11/21/95	NA	NA	NA	NA	NA	-	-	-	0.00	163.28	163.28
03/11/96	NA	NA	NA	NA	NA	-	-	-	0.00	163.28	163.28
06/19/96	NA	NA	NA	NA	NA	-	-	-	0.00	163.28	163.28
09/16/96	NA	NA	NA	NA	NA	-	-	-	0.00	163.28	163.28
03/12/97	74	9.5	<0.3	<0.3	0.57	<20	7.75	-	0.00	163.28	155.53
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<0.02	9.50	-	0.00	163.28	153.78
12/09/97	<50	0.79	1.2	<0.3	<0.5	<0.02	9.50	-	0.00	163.28	153.78
03/03/98	140	22	0.63	<0.3	<0.5	<0.02	7.93	-	0.00	163.28	155.35

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					

NOTE:
 ND = Nondetectable
 NA = Not Analyzed
 NSC = No sample collected

Benzene, toluene, ethlybenzene, and xylene analyzed by EPA method 8020.
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260

Table 2

SUMMARY OF S.A.V.E. SYSTEM INFLUENT/EFFLUENT WATER ANALYSES

Inlet-Water

<u>Date</u>	<u>TPH</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
04/03/97	18000	860	1900	300	880
06/12/97	600	ND	ND	ND	ND
09/10/97	1600	43	3.7	0.45	9.8
12/09/97	16000	2800	3200	3.3	1800
01/08/98	ND	ND	ND	ND	ND

Effluent-Water

<u>Date</u>	<u>TPH</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
04/03/97	ND	ND	ND	ND	ND
06/12/97	ND	ND	ND	ND	ND
09/10/97	ND	ND	ND	ND	ND
12/09/97	ND	ND	ND	ND	ND
01/08/98	ND	ND	ND	ND	ND

TPH - Total Petroleum Hydrocarbon by EPA 8015.

BTEX - Benzene (B), Toluene (T), Ethylbenzene (E), Xylenes (X).

ND - Not Detected

Analytical results reported in ug/L (ppb)

APPENDIX A



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-74
Date Received: 03/06/98
Date Reported: 04/03/98
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
68231	/ RE-3	03/03/98	03/09/98	2800	50
68232	/ RE-4	03/03/98	03/09/98	3000	50
68233	/ RE-7	03/03/98	03/09/98	6100	50
68234	/ PW-2	03/03/98	03/09/98	<50	50
68235	/ PW-1	03/03/98	03/09/98	<50	50
68236	/ RE-6	03/03/98	03/09/98	400	50
68237	/ RE-2	03/03/98	03/09/98	<50	50
68238	/ RE-5	03/03/98	03/09/98	<50	50
68239	/ RE-1	03/03/98	03/09/98	1100	50
68240	/ RS-9	03/03/98	03/09/98	190	50
68241	/ RS-10	03/03/98	03/09/98	<50	50
68242	/ RS-11	03/03/98	03/09/98	140	50
68243	/ RS-8	03/03/98	03/09/98	<50	50
68244	Trip Blank	03/03/98	03/09/98	<50	50

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

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-74
Date Received: 03/06/98
Date Reported: 04/03/98
Units: ug/L

	03/03/98	03/03/98	03/03/98	03/03/98	
Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/09/98	03/09/98	03/09/98	03/09/98	
AA ID No.:	68231	68232	68233	68234	
Client ID No.:	RE-3	RE-4	RE-7	PW-2	MRL
Compounds:					
Benzene	20	400	2500	0.43	0.3
Ethylbenzene	0.39	0.5	<6	<0.3	0.3
Toluene	0.65	0.61	18	0.48	0.3
Xylenes	16	97	110	<0.5	0.5

George Havallas
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
 Project No.: N/A
 Project Name: SS #054
 Sample Matrix: Water
 Method: EPA 8020 (BTEX)

AA Project No.: A135054-74
 Date Received: 03/06/98
 Date Reported: 04/03/98
 Units: ug/L

Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/09/98	03/09/98	03/09/98	03/09/98	
AA ID No.:	68235	68236	68237	68238	
Client ID No.:	PW-1	RE-6	RE-2	RE-5	MRL
Compounds:					
Benzene	<0.3	7.0	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	0.57	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	4.3	<0.5	<0.5	0.5

George Havallas
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-74
Date Received: 03/06/98
Date Reported: 04/03/98
Units: ug/L

	03/03/98	03/03/98	03/03/98	03/03/98	
Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/09/98	03/09/98	03/09/98	03/09/98	
AA ID No.:	68239	68240	68241	68242	
Client ID No.:	/ RE-1	/ RS-9	/ RS-10	/ RS-11	MRL
Compounds:					
Benzene	13	<0.3	2.0	22	0.3
Ethylbenzene	<0.3	0.38	<0.3	<0.3	0.3
Toluene	0.51	<0.3	<0.3	0.63	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-74
Date Received: 03/06/98
Date Reported: 04/03/98
Units: ug/L

Date Sampled:	03/03/98	03/03/98	
Date Analyzed:	03/09/98	03/09/98	
AA ID No.:	68243	68244	
Client ID No.:	RS-8	Trlp Blank	MRL
Compounds:			
Benzene	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	0.5

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

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
 Project No.: N/A
 Project Name: SS #054
 Sample Matrix: Water
 Method: Oxygenates (EPA 8260)

AA Project No.: A135054-74
 Date Received: 03/06/98
 Date Reported: 04/03/98
 Units: mg/L

Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/10/98	03/10/98	03/10/98	03/10/98	
AA ID No.:	68231	68232	68233	68234	
Client ID No.:	RE-3	RE-4	RE-7	PW-2	MRL

Compounds:

Di-isopropyl ether	<0.02	<0.02	1.3	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	5.6	3.8	0.27	0.047	0.02
Tert-Amyl Methyl Ether	0.040	0.030	<0.02	<0.02	0.02
Tert-Butanol	0.51	0.93	0.61	<0.5	0.5

George Havallas
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
 Project No.: N/A
 Project Name: SS #054
 Sample Matrix: Water
 Method: Oxygenates (EPA 8260)

AA Project No.: A135054-74
 Date Received: 03/06/98
 Date Reported: 04/03/98
 Units: mg/L

Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/10/98	03/10/98	03/10/98	03/10/98	
AA ID No.:	68235	68236	68237	68238	
Client ID No.:	PW-1	RE-6	RE-2	RE-5	MRL
Compounds:					
Di-isopropyl ether	<0.02	0.026	<0.02	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	<0.02	0.065	<0.02	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
 Project No.: N/A
 Project Name: SS #054
 Sample Matrix: Water
 Method: Oxygenates (EPA 8260)

AA Project No.: A135054-74
 Date Received: 03/06/98
 Date Reported: 04/03/98
 Units: mg/L

Date Sampled:	03/03/98	03/03/98	03/03/98	03/03/98	
Date Analyzed:	03/10/98	03/12/98	03/12/98	03/12/98	
AA ID No.:	68239	68240	68241	68242	
Client ID No.:	RE-1	RS-9	RS-10	RS-11	MRL

Compounds:

Di-isopropyl ether	<0.02	<0.02	<0.02	0.030	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	/ 0.22	/ <0.02	/ 0.027	/ <0.02	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
 Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-74
Date Received: 03/06/98
Date Reported: 04/03/98
Units: mg/L

Date Sampled:	03/03/98	
Date Analyzed:	03/12/98	
AA ID No.:	68243	
Client ID No.:	RS-8	MRL
Compounds:		
Di-isopropyl ether	<0.02	0.02
Ethanol	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	0.02
Methanol	<2	2
Methyl tert-Butyl Ether	0.084	0.02
Tert-Amyl Methyl Ether	<0.02	0.02
Tert-Butanol	<0.5	0.5

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

George Havalias
Laboratory Director




LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-67
Date Received: 01/09/98
Date Reported: 01/20/98
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
66188	Effluent	01/08/98	01/13/98	<50	50
66189	Influent	01/08/98	01/13/98	<50	50
66190	Trip Blank	01/08/98	01/13/98	<50	50

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



George Havalias
Laboratory Director



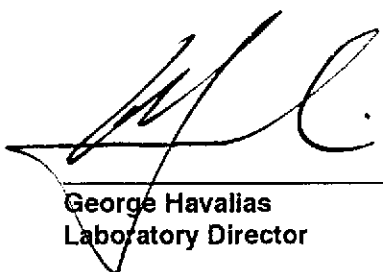
LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-67
Date Received: 01/09/98
Date Reported: 01/20/98
Units: ug/L

Date Sampled:	01/08/98	01/08/98	01/08/98	
Date Analyzed:	01/13/98	01/13/98	01/13/98	
AA ID No.:	66188	66189	66190	
Client ID No.:	Effluent	Influent	Trip Blank	MRL
Compounds:				
Benzene	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	0.5

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



George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 66181
Project No.: N/A
AA Project No.: A135054-67
Date Analyzed: 01/13/98
Date Reported: 01/20/98

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	15.1	76	13.7	68	11	65 - 135
Ethylbenzene	22.3	112	21.5	108	4	77 - 123
Toluene	18.6	93	17.5	87	7	66 - 134
Xylenes	17.5	88	16.1	81	8	73 - 127



George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 500 ug/L

AA ID No.: 66181
Project No.: N/A
AA Project No.: A135054-67
Date Analyzed: 01/13/98
Date Reported: 01/20/98

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Gasoline Range Organics	560	112	540	108	4	59 - 149



George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

(818) 998-5547

(818) 998-5548

1-800-533-TEST

1-800-533-8378

FAX (818) 998-7258

DATE: 01-08-98

PAGE 1 OF 4

AA Client THRIFTY OIL COMPANY						Phone (562) 921-3580		Sampler's Name JERBAK P.					
Project Manager JEFF SURYAKUSUMA						P.O. No.		Sampler's Signature <i>[Signature]</i>					
Project Name WATER FROM SYSTEM						Project No.		Project Manager's Signature					
Job Name and Address 2504 CASTRO VALLEY Blvd - CASTRO VALLEY, CA. 94546						ANALYSIS REQUIRED						Test Requirements	
						Detection Limits							
						Test Name <i>TPH</i> <i>BTEX</i>							
AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers								
66188	EFFLUENT	01-07-98	9:00	WATER	2	X	X						
66189	INFLUENT	01-07-98	9:05	↑	2	X	X						
66190	TRIP BLANK	01-08-98	7:30	↓	2	X	X						
SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB						Relinquished by: <i>[Signature]</i>		Date	Time	Received by: CA. OVERNIGHT			
Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by: CA. OVERNIGHT		Date	Time	Received by:			
Samples Properly Cooled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by:		Date	Time	Received by: <i>[Signature]</i>			
Samples Accepted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by:		Date	Time	Received by:			
If Not Why: _____						Relinquished by:		Date	Time	Received by:			
AA Project No. A135054-67						Relinquished by:		Date	Time	Received by:			



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
65535	RS-9	12/09/97	12/16/97	<50	50
65536	RE-1	12/09/97	12/16/97	<50	50
65537	RE-2	12/09/97	12/16/97	<50	50
65538	RE-6	12/09/97	12/16/97	<50	50
65539	PM-1 PW-1	12/09/97	12/16/97	640	50
65540	PM-2 PW-2	12/09/97	12/16/97	120	50
65541	RE-7	12/09/97	12/16/97	14000	50
65542	RE-5	12/09/97	12/16/97	11000	50
65543	RE-4	12/09/97	12/16/97	1400	50
65544	RE-3	12/09/97	12/16/97	3600	50
65545	RS-8	12/09/97	12/16/97	<50	50
65546	RS-11	12/09/97	12/16/97	<50	50
65547	RS-10	12/09/97	12/16/97	1900	50
65548	Effluent	12/09/97	12/16/97	<50	50
65549	Influent	12/09/97	12/16/97	16000	50
65550	Trip Blank	12/09/97	12/16/97	<50	50

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



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: ug/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/16/97	12/16/97	12/16/97	12/16/97	
AA ID No.:	65535	65536	65537	65538	
Client ID No.:	RS-9	RE-1	RE-2	RE-6	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	0.48	0.44	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director

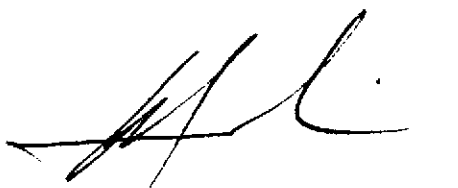


LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: ug/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/16/97	12/16/97	12/16/97	12/16/97	
AA ID No.:	65539	65540	65541	65542	
Client ID No.:	PM-1	PM-2	RE-7	RE-5	MRL
Compounds:					
Benzene	150	<0.3	3500	2500	0.3
Ethylbenzene	<0.3	<0.3	<15	<6	0.3
Toluene	0.64	0.73	3700	2700	0.3
Xylenes	5.2	<0.5	2100	1500	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: ug/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/16/97	12/16/97	12/16/97	12/16/97	
AA ID No.:	65543	65544	65545	65546	
Client ID No.:	RE-4	RE-3	RS-8	RS-11	MRL
Compounds:					
Benzene	330	1000	1.7	0.79	0.3
Ethylbenzene	<0.3	<6	<0.3	<0.3	0.3
Toluene	2.3	1000	2.1	1.2	0.3
Xylenes	1.5	570	1.4	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: ug/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/16/97	12/16/97	12/16/97	12/16/97	
AA ID No.:	65547	65548	65549	65550	
Client ID No.:	RS-10	Effluent	Influent	Trip Blank	MRL
<u>Compounds:</u>					
Benzene	610	<0.3	2800	<0.3	0.3
Ethylbenzene	<6	<0.3	3.3	<0.3	0.3
Toluene	510	<0.3	3200	0.55	0.3
Xylenes	290	<0.5	1800	<0.5	0.5

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



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: mg/L

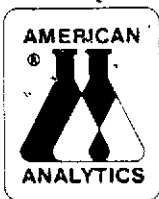
Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/18/97	12/18/97	12/18/97	12/18/97	
AA ID No.:	65535	65536	65537	65538	
Client ID No.:	RS-9	RE-1	RE-2	RE-6	MRL

Compounds:

Di-isopropyl ether	<0.02	<0.02	<0.02	0.022	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: mg/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/18/97	12/18/97	12/18/97	12/18/97	
AA ID No.:	65539	65540	65541	65542	
Client ID No.:	PM-1	PM-2	RE-7	RE-5	MRL
Compounds:					
Di-isopropyl ether	<0.02	<0.02	<0.02	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	1.3	0.42	1.1	0.51	0.02
Tert-Amyl Methyl Ether	0.041	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: mg/L

Date Sampled:	12/09/97	12/09/97	12/09/97	12/09/97	
Date Analyzed:	12/18/97	12/18/97	12/18/97	12/18/97	
AA ID No.:	65543	65544	65545	65546	
Client ID No.:	RE-4	RE-3	RS-8	RS-11	MRL
Compounds:					
Di-isopropyl ether	<0.02	<0.02	<0.02	0.023	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	2.5	0.26	0.082	<0.02	0.02
Tert-Amyl Methyl Ether	0.81	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



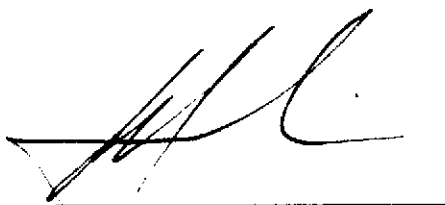
LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-63
Date Received: 12/15/97
Date Reported: 01/01/98
Units: mg/L

Date Sampled:	12/09/97	
Date Analyzed:	12/18/97	
AA ID No.:	65547	
Client ID No.:	RS-10	MRL
Compounds:		
Di-isopropyl ether	<0.02	0.02
Ethanol	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	0.02
Methanol	<2	2
Methyl tert-Butyl Ether	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	0.02
Tert-Butanol	<0.5	0.5

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



George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 65535
Project No.: N/A
AA Project No.: A135054-63
Date Analyzed: 12/16/97
Date Reported: 01/01/98

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	18.34	92	19.35	97	5	65 - 135
Ethylbenzene	17.68	88	18.32	92	4	77 - 123
Toluene	17.82	89	18.12	91	2	66 - 134
Xylenes	18.40	92	17.80	89	3	73 - 127



George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 500 ug/L

AA ID No.: 65537
Project No.: N/A
AA Project No.: A135054-63
Date Analyzed: 12/16/97
Date Reported: 01/01/98

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	530	106	570	114	7	59 - 149



George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

DATE: 12-11-97

(818) 998-5547

(818) 998-5548

1-800-533-TEST

1-800-533-8378

FAX (818) 998-7258

PAGE 1 OF 9

AA Client THRIFTY OIL COMPANY	Phone (662) 921-3580	Sampler's Name SERBAN P.
Project Manager JEFF SURYAKUSUMA	P.O. No.	Sampler's Signature <i>[Signature]</i>
Project Name Q.W.S., BW/M	Project No.	Project Manager's Signature <i>[Signature]</i>

Job Name SS# 054	ANALYSIS REQUIRED
Detection Limits	
Address 2504 CASTRO VALLEY Blvd - CASTRO VALLEY, CA - 94546 -	Test Name TPH BTEX # OXYGENATE

AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	BTEX	# OXYGENATE	Test Requirements
65535	RS-9	12-09-97	14:00	WATER	3	X	X	X	*ANALYSIS REQUIRED FOR OXYGENATE
65536	RE-7	↑	14:05	↑	3	X	X	X	
65537	RE-2		14:10		3	X	X	X	
65538	RE-6		14:15		3	X	X	X	
65539	RM-1		14:20		3	X	X	X	
65540	PM-2		14:25		3	X	X	X	
65541	RE-7		14:30		3	X	X	X	
65542	RE-5		14:35		3	X	X	X	
65543	RE-4		14:40		3	X	X	X	
65544	RE-3		14:45		3	X	X	X	
65545	RS-8		14:55		3	X	X	X	
65546	RS-U		15:00		3	X	X	X	
65547	RS-10		15:10		3	X	X	X	
65548	EFFLUENT		7:40		2	X	X		
65549	INFLUENT		7:45		2	X	X		
65550	TRIP BUNK	7:30	2	X	X				

SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB		Relinquished by:	Date	Time	Received by:
Sample Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>[Signature]</i>	12.11.97	17:30	CA. OVERNIGHT
Sample Property Cooled	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CA. OVERNIGHT	12.11.97	17:30	
Sample Accepted	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		2-12-97	10:00	<i>[Signature]</i>
* If Not Why: _____		Relinquished by:	Date	Time	Received by:
AA Project No. A135054-63					




LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
62034	RS-9 ✓	09/10/97	09/16/97	<50	50
62035	RE-1 ✓	09/10/97	09/16/97	<50	50
62036	RE-5 ✓	09/10/97	09/16/97	210	50
62037	RE-2 ✓	09/10/97	09/16/97	<50	50
62038	RE-6 ✓	09/10/97	09/16/98	440	50
62039	PW-1 ✓	09/10/97	09/16/97	690	50
62040	PW-2 ✓	09/10/97	09/16/97	220	50
62041	RE-7 ✓	09/10/97	09/16/97	780	50
62042	RE-4 ✓	09/10/97	09/16/97	<50	50
62043	RE-3 ✓	09/10/97	09/16/97	<50	50
62044	RS-8 ✓	09/10/97	09/16/97	<50	50
62045	RS-11 ✓	09/10/97	09/16/97	<50	50
62046	RS-10 ✓	09/10/97	09/16/97	<50	50
62047	Influent	09/10/97	09/16/97	1600	50
62048	Effluent	09/10/97	09/16/97	<50	50
62049	Trip Blank	09/10/97	09/16/97	<50	50

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



George Havalias
Laboratory Director



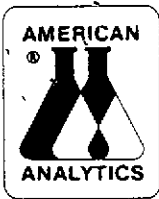
LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: ug/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/16/97	09/16/97	09/16/97	09/16/97	
AA ID No.:	62034	62035	62036	62037	
Client ID No.:	RS-9 ✓	RE-1 ✓	RE-5 ✓	RE-2 ✓	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: ug/L

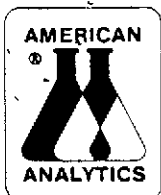
Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/16/97	09/16/97	09/16/97	09/16/97	
AA ID No.:	62038	62039	62040	62041	
Client ID No.:	RE-6	PW-1	PW-2	RE-7	MRL

Compounds:

Benzene	<0.3	0.97	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: ug/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/16/97	09/16/97	09/16/97	09/16/97	
AA ID No.:	62042	62043	62044	62045	
Client ID No.:	RE-4	RE-3	RS-8	RS-11	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: ug/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/16/97	09/16/97	09/16/97	09/16/97	
AA ID No.:	62046	62047	62048	62049	
Client ID No.:	RS-10 ✓	Influent	Effluent	Trip Blank	MRL
Compounds:					
Benzene	<0.3	43	<0.3	<0.3	0.3
Ethylbenzene	<0.3	0.45	<0.3	<0.3	0.3
Toluene	<0.3	3.7	<0.3	<0.3	0.3
Xylenes	<0.5	9.8	<0.5	<0.5	0.5

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: mg/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/19/97	09/19/97	09/19/97	09/19/97	
AA ID No.:	62034	62035	62036	62037	
Client ID No.:	RS-9 ✓	RE-1 ✓	RE-5 ✓	RE-2 ✓	MRL

Compounds:

Di-isopropyl ether	<0.02	<0.02	<0.02	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	<0.02	<0.02	0.21	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: mg/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/19/97	09/19/97	09/19/97	09/19/97	
AA ID No.:	62038	62039	62040	62041	
Client ID No.:	RE-6 ✓	PW-1 ✓	PW-2 ✓	RE-7 ✓	MRL

Compounds:

Di-isopropyl ether	<0.02	<0.02	<0.02	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	0.32	<0.02	0.32	0.93	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director




LABORATORY ANALYSIS RESULTS

Page 3

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: mg/L

Date Sampled:	09/10/97	09/10/97	09/10/97	09/10/97	
Date Analyzed:	09/19/97	09/19/97	09/19/97	09/19/97	
AA ID No.:	62042	62043	62044	62045	
Client ID No.:	RE-4	RE-3 ✓	RS-8 ✓	RS-11 ✓	MRL
Compounds:					
Di-isopropyl ether	<0.02	<0.02	<0.02	<0.02	0.02
Ethanol	<0.5	<0.5	<0.5	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Methanol	<2	<2	<2	<2	2
Methyl tert-Butyl Ether	<0.02 ✓	<0.02	<0.02	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	<0.02	<0.02	<0.02	0.02
Tert-Butanol	<0.5	<0.5	<0.5	<0.5	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: Oxygenates (EPA 8260)

AA Project No.: A135054-58
Date Received: 09/15/97
Date Reported: 10/01/97
Units: mg/L

Date Sampled:	09/10/97	
Date Analyzed:	09/19/97	
AA ID No.:	62046	
Client ID No.:	RS-10 ✓	

Compounds:		MRL
Di-isopropyl ether	<0.02	0.02
Ethanol	<0.5	0.5
Ethyl tert-Butyl Ether	<0.02	0.02
Methanol	<2	2
Methyl tert-Butyl Ether	<0.02	0.02
Tert-Amyl Methyl Ether	<0.02	0.02
Tert-Butanol	<0.5	0.5

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



George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 62034
Project No.: N/A
AA Project No.: A135054-58
Date Analyzed: 09/16/97
Date Reported: 10/01/97

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Benzene	20.12	101	20.57	103	2	65 - 135
Ethylbenzene	19.84	99	19.50	98	1	77 - 123
Toluene	20.06	100	20.02	100	0	66 - 134
Xylenes	20.01	100	19.96	100	0	73 - 127

George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 500 ug/L

AA ID No.: 62034
Project No.: N/A
AA Project No.: A135054-58
Date Analyzed: 09/16/97
Date Reported: 10/01/97

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Gasoline Range Organics	600	120	560	112	7	59 - 149

George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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(818) 998-5548

1-800-533-TEST

1-800-533-8378

FAX (818) 998-7258

DATE: 9-10-97

PAGE 1 OF 4

AA Client THRIFTY OIL COMPANY						Phone (562) 923-9876		Sampler's Name BERBAH P.		
Project Manager Jeff Turyakasuma						P.O. No.		Sampler's Signature		
Project Name Q.W.S. and Monthly						Project No.		Project Manager's Signature		
Job Name and Address 33#054 2509 CASTRO VALLEY Blvd. CASTRO VALLEY 94546						ANALYSIS REQUIRED				
						Detection Limits				
						Test Name				
						TPH BTEX *OXYGENATES				
						Test Requirements				
AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	BTEX	*OXYGENATES		
62034	RS-9	9-10-97	16:00	WATER	3	X	X	X	*ANALYSIS REQUIRED FOR OXYGENATE COMPOUNDS USED IN CA. GASOLINE - EPA METHOD 8260 1 METHANOL 2 ETHANOL 3 TERTIARY BUTHANOL 4 MTBE 5 DIPE 6 ETBE 7 TAME	
62035	RE-1	↑	16:05	↑	3	X	X	X		
62036	RE-5		16:10		3	X	X	X		
62037	RE-2		16:15		3	X	X	X		
62038	RE-6		16:20		3	X	X	X		
62039	PW-1		16:25		3	X	X	X		
62040	PW-2		16:30		3	X	X	X		
62041	RE-7		16:35		3	X	X	X		
62042	RE-4		16:40		3	X	X	X		
62043	RE-3		16:45		3	X	X	X		
62044	RS-8		16:55		3	X	X	X		
62045	RS-11	17:00	3	X	X	X				
62046	RS-10	17:10	3	X	X	X				
62047	INFLUENT	17:15	2	X	X					
62048	EFFLUENT	17:20	2	X	X					
62049	TRIP BUNK	7:30	2	X	X					
SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB						Relinquished by:		Date	Time	Received by:
Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by: CA. OVERNIGHT		9.11.97	17:00	CA. OVERNIGHT
Samples Properly Cooled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by: CA. OVERNIGHT		9.11.97	17:30	
Samples Accepted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Relinquished by:		9/15/97	12:00	
If Not Why: _____						Relinquished by:				
AA Project No. A135054-58						Relinquished by:				



LABORATORY ANALYSIS RESULTS

Page 1

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
58300	Influent	06/12/97	06/18/97	600	50
58301	Effluent	06/12/97	06/18/97	<50	50
58302	RE-3 ✓	06/12/97	06/18/97	<50	50
58303	RS-9 ✓	06/12/97	06/18/97	<50	50
58304	RE-2 ✓	06/12/97	06/18/97	<50	50
58305	PW-1 ✓	06/12/97	06/18/97	<50	50
58306	RE-4 ✓	06/12/97	06/18/97	510	50
58307	RS-10 ✓	06/12/97	06/18/97	<50	50
58308	RS-8 ✓	06/12/97	06/18/97	<50	50
58309	RS-11 ✓	06/12/97	06/18/97	<50	50
58310	RE-6 ✓	06/12/97	06/18/97	<50	50
58311	PW-2 ✓	06/12/97	06/18/97	270	50
58312	RE-7 ✓	06/12/97	06/18/97	320	50
58313	RE-5 ✓	06/12/97	06/18/97	230	50
58314	RE-1 ✓	06/12/97	06/18/97	<50	50
58315	Trip Blank	06/12/97	06/18/97	<50	50

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

NOTES:
The reported concentration of gasoline range organics in samples 58300, 58306, 58311, 58312 and 58313 is from the contribution of MTBE.

George Havalias
Laboratory Director

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LABORATORY ANALYSIS RESULTS

Page 1

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

	06/12/97	06/12/97	06/12/97	06/12/97	
Date Sampled:	06/12/97	06/12/97	06/12/97	06/12/97	
Date Analyzed:	06/18/97	06/18/97	06/18/97	06/18/97	
AA ID No.:	58300	58301	58302	58303	
Client ID No.:	Influent	Effluent	RE-3 ✓	RS-9 ✓	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	0.58	0.51	0.5

George Havalias
Laboratory Director

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LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

	06/12/97	06/12/97	06/12/97	06/12/97	
Date Sampled:	06/12/97	06/12/97	06/12/97	06/12/97	
Date Analyzed:	06/18/97	06/18/97	06/18/97	06/18/97	
AA ID No.:	58304	58305	58306	58307	
Client ID No.:	RE-2 ✓	PW-1 ✓	RE-4 ✓	RS-10 ✓	MRL
Compounds:					
Benzene	<0.3	<0.3	0.66	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

	06/12/97	06/12/97	06/12/97	06/12/97	
Date Sampled:	06/12/97	06/12/97	06/12/97	06/12/97	
Date Analyzed:	06/18/97	06/18/97	06/18/97	06/18/97	
AA ID No.:	58308	58309	58310	58311	
Client ID No.:	RS-8 ✓	RS-11 ✓	RE-6 ✓	PW-2 ✓	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

Date Sampled:	06/12/97	06/12/97	06/12/97	06/12/97	
Date Analyzed:	06/18/97	06/18/97	06/18/97	06/18/97	
AA ID No.:	58312	58313	58314	58315	MRL
Client ID No.:	RE-7 ✓	RE-5 ✓	RE-1 ✓	Trip Blank	
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	0.45	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

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

George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 1

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: MTBE (EPA 8020)

AA Project No.: A135054-50
Date Received: 06/13/97
Date Reported: 07/02/97
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
58302	RE-3 ✓	06/12/97	06/18/97	<20	20
58303	RS-9 ✓	06/12/97	06/18/97	<20	20
58304	RE-2 ✓	06/12/97	06/18/97	<20	20
58305	PW-1 ✓	06/12/97	06/18/97	<20	20
58306	RE-4 ✓	06/12/97	06/18/97	1600	20
58307	RS-10 ✓	06/12/97	06/18/97	<20	20
58308	RS-8 ✓	06/12/97	06/18/97	68	20
58309	RS-11 ✓	06/12/97	06/18/97	<20	20
58310	RE-6 ✓	06/12/97	06/18/97	<20	20
58311	PW-2 ✓	06/12/97	06/18/97	630	20
58312	RE-7 ✓	06/12/97	06/18/97	850	20
58313	RE-5 ✓	06/12/97	06/18/97	720	20
58314	RE-1 ✓	06/12/97	06/18/97	36	20

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

George Havallas
Laboratory Director

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LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS #054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-45
Date Received: 04/04/97
Date Reported: 04/10/97
Units: ug/L

Date Sampled:	04/03/97	04/03/97	04/03/97	
Date Analyzed:	04/04/97	04/04/97	04/04/97	
AA ID No.:	56034	56035	56036	
Client ID No.:	Effluent	Influent	Trip Blank	MRL
Compounds:				
Benzene	<0.3	860	<0.3	0.3
Ethylbenzene	<0.3	300	<0.3	0.3
Toluene	<0.3	1900	<0.3	0.3
Xylenes	<0.5	880	<0.5	0.5

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

George Havalias
Laboratory Director




LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS #054
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 56034
Project No.: N/A
AA Project No.: A135054-45
Date Analyzed: 04/04/97
Date Reported: 04/10/97

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Benzene	21.1	106	21.2	106	0	65 - 135
Ethylbenzene	21.7	109	21.7	109	0	77 - 123
Toluene	21.4	107	20.9	105	2	66 - 134
Xylenes	22.1	111	22.0	110	1	73 - 127



George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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DATE: 04-03-97
PAGE 1 OF 4

AA Client THRIFTY OIL CO.						Phone 818/923-9876		Sampler's Name SERBOTH P.		
Project Manager CHRIS PANAITESCU						P.O. No.		Sampler's Signature <i>[Signature]</i>		
Project Name MONTHLY WATER SAMPLING						Project No.		Project Manager's Signature		
Job Name SS # 054						ANALYSIS REQUIRED				Test Requirements
and Address 2504 CASTRO VALLEY Blvd.						Detection Limits				
CASTRO VALLEY CA. 95456						Test Name				
AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	BTEX			
56034	EFFLUENT	04/03/97	11:00	WATER	2	X	X			
56035	INFLOW	↓	11:10	↑	2	X	X			
56036	TRIP BLANK	↓	7:00	↓	2	X	X			
6										
SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB						Relinquished by: <i>[Signature]</i>		Date	Time	Received by:
Samples Intact Yes _____ No _____						Relinquished by: CA. OVERNIGHT		04/03/97	17:00	CA. OVERNIGHT
Samples Properly Cooled Yes _____ No _____						Relinquished by: CA. OVERNIGHT		04/03/97	17:20	
Samples Accepted Yes _____ No _____						Relinquished by:		Date	Time	Received by:
If Not Why: _____						Relinquished by:		4/4	8:30A	<i>[Signature]</i>
AA Project No. A135054-45						Relinquished by:		Date	Time	Received by:



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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DATE 6-12-97
PAGE 1 OF 4

AA Client <u>THRIFTY OIL CO.</u>						Phone <u>310/982-9876</u>		Sampler's Name <u>SERBAN P.</u>																					
Project Manager <u>CRIS PANAITESCU</u>						P.O. No. _____		Sampler's Signature <u>[Signature]</u>																					
Project Name <u>Q / M / BW</u>						Project No. _____		Project Manager's Signature _____																					
Job Name and Address <u>55 # 054</u> <u>2504 CASTRO VALLEY Blvd -</u> <u>CASTRO VALLEY CA. 94546</u>						ANALYSIS REQUIRED				Test Requirements																			
						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Detection Limits</td> <td style="text-align: center;">TPH</td> <td style="text-align: center;">BTEX</td> <td style="text-align: center;">MTBE</td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;">Test Name</td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </table>					Detection Limits	TPH	BTEX	MTBE							Test Name								
Detection Limits	TPH	BTEX	MTBE																										
Test Name																													
AA ID#	Client's ID	Date	Time	Sample Type	Number of Containers	TPH	BTEX	MTBE																					
58300	INFLUENT	6-12-97	8:40	WATER	2	X	X	X																					
58301	EFFLUENT	↑	8:50	↑	2	X	X	X																					
58302	RE-8	↑	16:00	↑	3	X	X	X																					
58303	RS-9	↑	16:05	↑	3	X	X	X																					
58304	RE-2	↑	16:10	↑	3	X	X	X																					
58305	PW-1	↑	16:15	↑	3	X	X	X																					
58306	RE-4	↑	16:25	↑	3	X	X	X																					
58307	RS-10	↑	16:35	↑	2	X	X	X																					
58308	RS-8	↑	16:45	↑	2	X	X	X																					
58309	RS-M	↑	16:50	↑	2	X	X	X																					
58310	RE-C	↑	17:00	↑	3	X	X	X																					
58311	PW-2	↑	17:05	↑	3	X	X	X																					
58312	RE-7	↑	17:10	↑	3	X	X	X																					
58313	RE-5	↑	17:15	↑	3	X	X	X																					
58314	RE-1	↑	17:20	↑	3	X	X	X																					
58315	TRIP BLANK	↓	7:30	↓	2	X	X	X																					
SAMPLE INTEGRITY TO BE FILLED IN BY RECEIVING LAB						Retiquished by: <u>[Signature]</u>		Date	Time	Received by:																			
Samples Intact Yes _____ No _____						Retiquished by: <u>CA. OVERNIGHT</u>		<u>6.12.97</u>	<u>17:00</u>	<u>CA. OVERNIGHT</u>																			
Samples Properly Cooled Yes _____ No _____						Retiquished by: _____		<u>6.12.97</u>	<u>17:30</u>	<u>[Signature]</u>																			
Samples Accepted Yes _____ No _____						Retiquished by: _____		Date	Time	Received by:																			
If Not Why: _____						Retiquished by: _____		Date	Time	Received by:																			
AA Project No. <u>A135054-50.</u>						Retiquished by: _____		Date	Time	Received by:																			



LABORATORY ANALYSIS RESULTS

Page 1

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
55259	RE-3 ✓	03/12/97	03/14/97	<50	50
55260	RE-1 ✓	03/12/97	03/14/97	8700	50
55261	RS-9 ✓	03/12/97	03/14/97	<50	50
55262	RE-2 ✓	03/12/97	03/14/97	<50	50
55263	RE-5 ✓	03/12/97	03/14/97	2000	50
55264	RE-4 ✓	03/12/97	03/14/97	420	50
55265	RE-7 ✓	03/12/97	03/14/97	660	50
55266	PW-2 ✓	03/12/97	03/14/97	600	50
55267	PW-1	03/12/97	03/14/97	<50	50
55268	RE-6 ✓	03/12/97	03/14/97	<50	50
55269	RS-8 ✓	03/12/97	03/14/97	53	50
55270	RS-11 ✓	03/12/97	03/14/97	74	50
55271	RS-10 ✓	03/12/97	03/14/97	<50	50
55272	Trip Blank	03/12/97	03/14/97	<50	50

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

NOTES:

The reported concentration for gasoline range organics in samples 55265(RE-7), 55266(PW-2) and 55269(RS-8) is mainly from the contribution of a single early eluting component(MTBE).

George Havallas
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS#054
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 500 ug/L

AA ID No.: 55259
Project No.: N/A
AA Project No.: A135054-44
Date Analyzed: 03/14/97
Date Reported: 03/24/97

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	480	96	490	98	2	59 - 149

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

Date Sampled:	03/12/97	03/12/97	03/12/97	03/12/97	
Date Analyzed:	03/14/97	03/14/97	03/14/97	03/14/97	
AA ID No.:	55259	55260	55261	55262	
Client ID No.:	RE-3 ✓	RE-1 ✓	RS-9 ✓	RE-2 ✓	MRL
Compounds:					
Benzene	<0.3	180	<0.3	<0.3	0.3
Ethylbenzene	<0.3	5.4	<0.3	<0.3	0.3
Toluene	<0.3	40	0.42	<0.3	0.3
Xylenes	<0.5	1100	1.5	<0.5	0.5

George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

Date Sampled:	03/12/97	03/12/97	03/12/97	03/12/97	
Date Analyzed:	03/14/97	03/14/97	03/14/97	03/14/97	
AA ID No.:	55263	55264	55265	55266	
Client ID No.:	RE-5 /	RE-4 /	RE-7 /	PW-2 ✓	MRL
Compounds:					
Benzene	600	3.2	0.31	1.6	0.3
Ethylbenzene	5.1	<0.3	<0.3	<0.3	0.3
Toluene	59	<0.3	<0.3	<0.3	0.3
Xylenes	54	11	<0.5	5.8	0.5



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

Date Sampled:	03/12/97	03/12/97	03/12/97	03/12/97	
Date Analyzed:	03/14/97	03/14/97	03/14/97	03/14/97	
AA ID No.:	55267	55268	55269	55270	
Client ID No.:	PW-1 ✓	RE-6 ✓	RS-8 ✓	RS-11 ✓	MRL
Compounds:					
Benzene	<0.3	<0.3	0.45	9.5	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	0.57	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS


Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

Date Sampled:	03/12/97	03/12/97	
Date Analyzed:	03/14/97	03/14/97	
AA ID No.:	55271	55272	
Client ID No.:	RS-10	Trip Blank	MRL
Compounds:			
Benzene	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	0.3
Toluene	<0.3	0.37	0.3
Xylenes	<0.5	<0.5	0.5

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.



George Havalias
Laboratory Director

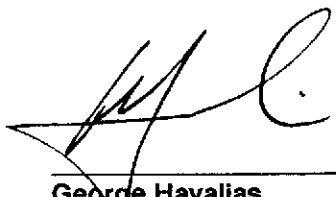


LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS#054
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 55259
Project No.: N/A
AA Project No.: A135054-44
Date Analyzed: 03/14/97
Date Reported: 03/24/97

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	20.5	103	20.2	101	2	65 - 135
Ethylbenzene	19.8	99	19.8	99	0	77 - 123
Toluene	19.7	99	19.6	98	1	66 - 134
Xylenes	19.6	98	19.7	99	1	73 - 127



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS#054
Sample Matrix: Water
Method: MTBE (EPA 8020)

AA Project No.: A135054-44
Date Received: 03/13/97
Date Reported: 03/21/97
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
55259	RE-3 /	03/12/97	03/14/97	<20	20
55260	RE-1 ✓	03/12/97	03/14/97	130	20
55261	RS-9 ✓	03/12/97	03/14/97	<20	20
55262	RE-2 ✓	03/12/97	03/14/97	<20	20
55263	RE-5 ✓	03/12/97	03/14/97	1300	20
55264	RE-4 ✓	03/12/97	03/14/97	370	20
55265	RE-7 ✓	03/12/97	03/14/97	1400	20
55266	PW-2 ✓	03/12/97	03/14/97	1100	20
55267	PW-1 /	03/12/97	03/14/17	<20	20
55268	RE-6 ✓	03/12/97	03/14/97	<20	20
55269	RS-8 ✓	03/12/97	03/14/97	140	20
55270	RS-11 ✓	03/12/97 ✓	03/14/97	<20	20
55271	RS-10 ✓	03/12/97	03/14/97	<20	20

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

(818) 998-5547

(818) 998-5548

1-800-533-TEST

1-800-533-8378

FAX (818) 998-7258

DATE 03-12-97

PAGE 1 OF 4

AA Client <u>THRIFTY OIL CO.</u>						Phone <u>(310) 923-9876</u>		Sampler's Name <u>SERBAN P.</u>		
Project Manager <u>CHRIS PANAITESCU</u>						P.O. No.		Sampler's Signature <i>[Signature]</i>		
Project Name <u>QUARTERLY WATER SAMPLING</u>						Project No.		Project Manager's Signature		
Job Name <u>SS #054</u>						ANALYSIS REQUIRED				Test Requirements
Address <u>2504 CASTRO VALLEY Blvd</u>						Detection Limits				
<u>CASTRO VALLEY 94546</u>						Test Name				
AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	BTEX	MTBE		
55259	RE-3	03/12/97	15:00	WATER	3	X	X	X		
55260	RE-1	↑	15:10	↑	3	X	X	X		
55261	RS-9		15:20		3	X	X	X		
55262	RE-2		15:30		3	X	X	X		
55263	RE-5		15:40		3	X	X	X		
55264	RE-4		15:45		3	X	X	X		
55265	RE-7		15:50		3	X	X	X		
55266 55266	PIW-2		15:55		3	X	X	X		
55267	RW-1		16:00		3	X	X	X		
55268	RE-6		16:10		3	X	X	X		
55269	RS-8		16:20		3	X	X	X		
55270	RS-11		16:30		3	X	X	X		
55271	RS-10		16:45		3	X	X	X		
55272	TRIP BLANK		7:00		2	X	X			
SAMPLE INTEGRITY TO BE FILLED IN BY RECEIVING LAB						Relinquished by: <i>[Signature]</i>		Date <u>03/12/97</u>	Time <u>17:00</u>	Received by: <u>CA OVERNIGHT</u>
Samples Intact Yes _____ No _____						Relinquished by: <u>CA OVERNIGHT</u>		Date <u>03/12/97</u>	Time <u>17:30</u>	Received by:
Samples Properly Cooled Yes _____ No _____						Relinquished by:		Date	Time	Received by:
Samples Accepted Yes _____ No _____						Relinquished by:		Date	Time	Received by:
If Not Why: _____						Relinquished by:		Date	Time	Received by:
AA Project No. <u>A135054-44</u>						Relinquished by:		Date	Time	Received by:

APPENDIX B

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON							ON						
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	13056	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallows	84610	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: System shut down because leaking from propane line.

SERVICE TECHNICIAN V. [Signature] DATE 03-24-98 THRIFTY OIL CO # 054



DATE: 03-24-98

START UP / SHUT DOWN REPORT
STATION # 057
SYSTEM TYPE : RS-T

START UP REPORT:

SHUT DOWN REPORT:

System shut down because leaking from
propene line -

SIGNATURE: _____

[Handwritten Signature]

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON			REG			REG	ON	REG		REG		REG	REG
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	11844	
					ENGINE RPM	RPM	1850	
					ENGINE VACUUM	IN HG	16	
					TK REC TEMP	F	90	
					AIR TEMP	F	58	
					AIR FLOW	CFM	16	
					VAPOR FLOW	CFM	14	
					FUEL FLOW	CFM/H	85	
					WELL VACUUM	IN H2O	13	
					GAS METER		9.50	
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
PARAMETER	U/M	LIMIT	DATA		CATALIST OUT	F		
FLOWMETER	GALLONS	3915			EXHAUST HC	PPM/%		
ROTAMETER					EXHAUST CO	%PPM		
VPI FLOW					EXHAUST CO2	%		
VPI VACUUM					EXHAUST NOX	%PPM		
AIR COMPRES					CATALYST REPLACEMENT			
VAPOR					EXHAUST O2	%		
INLET VAPOR					INLET	PPM		
TEMPERATURE					OUTLET	PPM		
LEL								

COMMENTS: WATER VERY SLOW FROM REG

SERVICE TECHNICIAN [Signature] DATE 01-13-98 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE4			RE7		ON	RE1		RE3		RE6	RE8
OFF									OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	11916	
					ENGINE RPM	RPM	1860	
					ENGINE VACUUM	IN HG	18	
					TK REC TEMP	F	90	
					AIR TEMP	F	60	
					AIR FLOW	CFM	17	
					VAPOR FLOW	CFM	18	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 50	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM	711000	
					OUTLET	PPM	280	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GAL/SH	4203	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: b/w sampling

SERVICE TECHNICAN [Signature] DATE 01-22-98 THRIFTY OIL CO # 054

54

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE4			RE7	ON	RE1		RE3			RE6	RE7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	11884	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	90	
					AIR TEMP	F	54	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	17	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 60	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallon	3820	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM	> 9000	
OUTLET	PPM	120	

COMMENTS: *Water very flow -*

SERVICE TECHNICAN *R. J. [Signature]* DATE *01-08-98* THRIFTY OIL CO # *059*



THRIFTY OIL CO. SS #054
 2504 CASTRO VALLEY BLVD.
 CASTRO VALLEY, CA 94546
 DATE: 03-03-98

PROJECT STATUS REPORT

F R E E Q .	M O N I T O R I N G				O D O R S			F R E E		W E L L S C O N N E C T E D T O S Y S T E M (W)									
	O B S E R V A T I O N W E L L S				(S = S L I G H T)			P R O D U C T		C O N N E C T		I N T E G R I T Y		V A P O R		W A T E R			
	NO.	DTW	DTP	PT	YES	NO	S	YES	NO	YES	NO	YES	NO	OK	NO	ON	OFF	ON	OFF
M	PW-1	4.13	/			X			X		X	-							
M	PW-2	3.30	/			X			X		X	-							
M	RE-1	4.55	/			X			X		X	-			X				
M	RE-2	3.30	/			X			X		X	-			X				
M	RE-3	2.30	/			X			X		X	-			X				
M	RE-4	5.05	/			X			X		X	-						X	
M	RE-5	3.70	/			X			X		X	-							
M	RE-6	4.45	/			X			X		X	-			X				
M	RE-7	6.70	/			X			X		X	-			X			X	
M	RS-8	8.33	/			X			X		-	X							
M	RS-9	1.90	/			X			X		-	X							
M	RS-10	6.03	/			X			X			X							
M	RS-11	7.93	/			X			X			X							

S A V E S Y S T E M W E E K L Y

PARAMETER	U/M	DATA	PARAMETER	U/M	DATA
TIME	AM/PM		AIR FLOW	C F M	
WORKING	YES/NO		VAPOR FLOW	C F M	
RESTARTED	YES/NO		FUEL FLOW	C F M/H	
HOURS	#		WELL VACUUM	IN H2O	
ENGINE ROT.	RPM		L P G TANKS	%	#1:
ENGINE VACUUM	IN HG		GAS METER READING	-	N/A
TANK VACUUM	IN HG		WATER FLOWMETER	GALL.	

EXHAUST (By others) _____

INLET TO ENGINE _____

MAINTENANCE ES/100/400/800 _____ FOR SPECIFIC OPERATIONS SEE FIELD RECORD

W A T E R S A M P L I N G - C H E C K () W H E N D O N E

EFFLUENT	INFLUENT	WELLS
() _____	() _____	() Q. - SEE C. CUST.

REMARKS: _____

FREE PRODUCT REMOVED: APPROX. _____ GALLONS WATER REMOVED: APPROX. 300 GALLONS

DATA RECORDED BY: R. R. R. INPUT BY: AJB 02/05/97

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS	WATER							WELLS	VAPORS						
	ON				RE4				RE7	ON	RE1		RE3		
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	12489	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	100	
					AIR TEMP	F	52	
					AIR FLOW	CFM	15	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	90	
					WELL VACUUM	IN H2O	13	
					GAS METER		9.50	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	6403	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN R. P. [Signature] DATE 02-17-99 THRIFTY OIL CO.# 059

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS	WATER							WELLS	VAPORS						
ON				RE4			RE2	ON	RE1		RE3			RE6	RE2
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	1264 7	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	9	
					TK REC TEMP	F	100	
					AIR TEMP	F	52	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		%.47	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	1240	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN STINGY DATE 02-24-98 THRIFTY OIL CO # 054

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				PE4			PE7		ON	PE1		PE3			PE6	PE2
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	12084	
					ENGINE RPM	RPM	1850	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	80	
					AIR TEMP	F	52	
					AIR FLOW	CFM	15	
					VAPOR FLOW	CFM	18	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		9.50	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	4503	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN [Signature] DATE 01-29-97 THRIFTY OIL CO # 054

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				RE4			RE7		ON	RE1		RE3			RE6	RE7
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	12180	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	90	
					AIR TEMP	F	50	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	18	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		7049	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS		4763
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM		13.400
OUTLET	PPM		280

COMMENTS: Vapor and water sampling

SERVICE TECHNICAN R. [Signature] DATE 02-03-98 THRIFTY OIL CO # 054

54



FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS	WATER							WELLS	VAPORS						
ON				RE4			RE7	ON	RE1		RE3		RE6	RE7	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	12329	
					ENGINE RPM	RPM	1850	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	90	
					AIR TEMP	F	54	
					AIR FLOW	CFM	15	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	90	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 50	
(605) HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		
PARAMETER	U/M	LIMIT	DATA					
FLOWMETER	GALLONS	5683						
ROTAMETER								
VPI FLOW								
VPI VACUUM								
AIR COMPRES								
VAPOR								
INLET VAPOR								
TEMPERATURE								
LEL								
COMMENTS:								
SERVICE TECHNICIAN <i>[Signature]</i> DATE <i>02-10-98</i> THRIFTY OIL CO # <i>0541</i>								

13415 Carmenita Road/P.O. Box 2129, Santa Fe Springs, CA 90670

054

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD														
WELLS	WATER							WELLS	VAPORS					
	ON				RE4				RE7	ON	RE1		RE3	
OFF								OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	13011	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	9	
					TK REC TEMP	F	100	
					AIR TEMP	F	53	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	17	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 45	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	8320	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN R. J. [Signature] DATE 03-10-98 THRIFTY OIL CO # 054



EARTH MANAGEMENT CO.

Environmental Remediation

054

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS		WATER					WELLS		VAPORS				
ON				REG			REG				REG	REG	
OFF													

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	13056	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	7	
					TK REC TEMP	F	90	
					AIR TEMP	F	56	
					AIR FLOW	CFM	11	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	13	
					GAS METER		%40	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	84610	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM	16110	
OUTLET	PPM	310	

COMMENTS: AIR and water SW, WATER is very flow from well #4

SERVICE TECHNICAN [Signature] DATE 03-17-98 THRIFTY OIL CO # 054



(54)

DATE: 03-19-98

START UP / SHUT DOWN REPORT
STATION # 054
SYSTEM TYPE :

START UP REPORT:

SHUT DOWN REPORT:

System was shut down because leaking propane was found and F.D. shut down line.

SIGNATURE: _____

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD

WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING				
WELL NO	DTW	DTP	PT	DTB

RSI SYSTEM			
PARAMETER	U/M	DATA	OBS
TIME	AM/PM	AM	
HOURS	#	11:15	
ENGINE RPM	RPM	1860	
ENGINE VACUUM	IN HG	12	
TK REC TEMP	F	100	
AIR TEMP	F	61	
AIR FLOW	CFM	13	
VAPOR FLOW	CFM	17	
FUEL FLOW	CFM/H	30	
WELL VACUUM	IN H2O	13	
GAS METER		%60	
CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM	> 9000	
OUTLET	PPM	260	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	3705	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICIAN [Signature] DATE 12-30-97 THRIFTY OIL CO # 054

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE4			RE7	ON	RE1		RE3		RE6	RE7	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11620	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	11	
					TK REC TEMP	F	90	
					AIR TEMP	F	54	
					AIR FLOW	CFM	23	
					VAPOR FLOW	CFM	25	
					FUEL FLOW	CFM/H	85	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 60	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	3620	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: Restart system and take it b/w sampling -

SERVICE TECHNICAN Walter DATE 12-22-93 THRIFTY OIL CO # 059

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				RE4			RE7		ON	RE1		RE3			RE6	RE7
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	11613	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	9	
					TK REC TEMP	F	100	
					AIR TEMP	F	54	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	17	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 65	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

COMMENTS: Water from RE-4 is very flow

SERVICE TECHNICIAN W. [Signature] DATE 12-09-97 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON			RE4			RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	9:00	11510
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	100	
					AIR TEMP	F	63	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	= 13	
					GAS METER		% 65	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

COMMENTS: *The recovery well is very close from RS-4 and RS-7.*

SERVICE TECHNICAN *[Signature]* DATE *12-04-97* THRIFTY OIL CO # *054*

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE 4			RE 2	ON	RE 1		RE 3			RE 6	RE 7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	11	
					HOURS	#	11458	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	98	
					AIR TEMP	F	62	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	17	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		70%	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallons	3579	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *Restart system*

SERVICE TECHNICIAN *[Signature]* DATE *11-26-97* THRIFTY OIL CO # *054*

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE 4		RE 7	ON	RE 1		RE 3		RE 6	RE 7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11452	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallons	3572	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *system still shut down for fixing the pumps-*

SERVICE TECHNICIAN *R. P. ...* DATE *11-20-97* THRIFTY OIL CO # *054*

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MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE 4			RE 2	ON	RE 1		RE 3		RE 6	RE 2	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11452	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT

PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallows	3572	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *System shut down*

SERVICE TECHNICAN *[Signature]* DATE *11-13-97* THRIFTY OIL CO # *054*

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON					RE24		RE27	ON	RE1		RE3			RE6	RE7
OFF								OFF							

WELL MONITORING				
WELL NO	DTW	DTP	PT	DTB

RSI SYSTEM			
PARAMETER	U/M	DATA	OBS
TIME	AM/PM		
HOURS	#	11452	
ENGINE RPM	RPM		
ENGINE VACUUM	IN HG		
TK REC TEMP	F		
AIR TEMP	F		
AIR FLOW	CFM		
VAPOR FLOW	CFM		
FUEL FLOW	CFM/H		
WELL VACUUM	IN H2O		
GAS METER			
CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM		
OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallons	3572	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: Restart system but water pump is leaking in another place. I shut down system for fixing the pump

SERVICE TECHNICIAN P. [Signature] DATE 11-06-91 THRIFTY OIL CO # 014

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON					RE4	RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AMP/PM		
					HOURS	#	11452	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallows	3572	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *water pump from system is leaking (shut down system)*

SERVICE TECHNICIAN *[Signature]* DATE 10-30-91 THRIFTY OIL CO # 019

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON					RE4	RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	11445	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	13	
					TK REC TEMP	F	90	
					AIR TEMP	F	62	
					AIR FLOW	CFM	12	
					VAPOR FLOW	CFM	8	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 70	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallons	3560	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: b/w sampling

SERVICE TECHNICAN R. [Signature] DATE 10-23-97 THRIFTY OIL CO # 059



FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM							
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS				
					TIME	AM/PM	Am					
					HOURS	#	11331					
					ENGINE RPM	RPM	1900					
					ENGINE VACUUM	IN HG	15					
					TK REC TEMP	F	98					
					AIR TEMP	F	65					
					AIR FLOW	CFM	13					
					VAPOR FLOW	CFM	16					
					FUEL FLOW	CFM/H	80					
					WELL VACUUM	IN H2O	15					
					GAS METER		% 70					
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F						
					CATALIST OUT	F						
					EXHAUST HC	PPM/%						
					EXHAUST CO	%PPM						
					EXHAUST CO2	%						
					EXHAUST NOX	%PPM						
					CATALYST REPLACEMENT							
					EXHAUST O2	%						
					INLET	PPM						
					OUTLET	PPM						
					PARAMETER	U/M	LIMIT	DATA				
					FLOWMETER	Gallon	3281					
					ROTAMETER							
VPI FLOW												
VPI VACUUM												
AIR COMPRES												
VAPOR												
INLET VAPOR												
TEMPERATURE												
LEL												

COMMENTS: *Water is very slow ???*

SERVICE TECHNICAN *R. [Signature]* DATE 10.17.95 THRIFTY OIL CO # 054

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MAINFOLD											
WATER						WELLS	VAPORS				
			RE 4		RE 7		ON	RE 1	RE 3		RE 6
						OFF					

WELL MONITORING					RSI SYSTEM			
NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11320	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	13	
					TK REC TEMP	F	90	
					AIR TEMP	F	68	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	11	
					FUEL FLOW	CFM/H	76	
					WELL VACUUM	IN H2O	73	
					GAS METER		% 80	
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
METER	U/M	LIMIT	DATA		CATALIST OUT	F		
METER	Gallons	3272			EXHAUST HC	PPM/%		
METER					EXHAUST CO	%PPM		
OW					EXHAUST CO2	%		
CUUM					EXHAUST NOX	%PPM		
MPRES					CATALYST REPLACEMENT			
VAPOR					EXHAUST O2	%		
RATURE					INLET	PPM		
					OUTLET	PPM		

REMARKS: SW/M sampling

TECHNICIAN W. W. [Signature] DATE 10.09.95 THRIFTY OIL CO # 054



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FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
				REC 4		REC 7	ON	REC 1		REC 3		REC 6	REC 7
							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11230	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
METER	U/M	LIMIT	DATA
FLOW METER	Gallon	3178	
TEMP METER			
LOW			
VACUUM			
COMPRES			
R			
VAPOR			
TEMPERATURE			

REMARKS: *System shut down because no fuel (propane)*

OPERATOR/TECHNICIAN: *P. [Signature]* DATE: *9-18-97* THRIFTY OIL CO # *054*

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				REG 4			REG 2	ON	REG 1		REG 3			REG 6	REG 7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	11280	
					ENGINE RPM	RPM	1850	
					ENGINE VACUUM	IN HG	14	
					TK REC TEMP	F	90	
					AIR TEMP	F	80	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		% 80	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallons	3193	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN McRae DATE 10-02-97 THRIFTY OIL CO # 059

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD

WELLS	WATER						WELLS	VAPORS					
ON				RE 4		RE 7	ON	RE 1		RE 3		RE 6	RE 2
OFF							OFF						

WELL MONITORING

WELL NO	DTW	DTP	PT	DTB

RSI SYSTEM

PARAMETER	U/M	DATA	OBS
TIME	AM/PM	PM	
HOURS	#	11210	
ENGINE RPM	RPM	1700	
ENGINE VACUUM	IN HG	10	
TK REC TEMP	F	70	
AIR TEMP	F	74	
AIR FLOW	CFM	14	
VAPOR FLOW	CFM	18	
FUEL FLOW	CFM/H	70	
WELL VACUUM	IN H2O	F3	
GAS METER		%60	
CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM		
OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT

PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLONS	3092	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: QWS, monthly and 5/16 sampling

SERVICE TECHNICIAN Ritz DATE 9-10-97 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD 9/03/													
WELLS	WATER						WELLS	VAPORS					
ON				RE 6		RE 7	ON	RE 1		RE 3		RE 6	RE 7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	pm	
					HOURS	#	1136	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	PPM	30	
					EXHAUST CO	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	30% <i>Quik</i>		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALLON	3078	20
ROTAMETER		11	
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *System was shut down when I came - Restart again -*

SERVICE TECHNICAN *V. Carter* DATE *9-03-97* THRIFTY OIL CO # *054*

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS	WATER							WELLS	VAPORS						
ON				RE4			RE7	ON	RE1		RE3		RE6	RE7	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	2M	
					HOURS	#	1124	
					ENGINE RPM	RPM	1750	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	100	
					AIR TEMP	F	70	
					AIR FLOW	CFM	9	
					VAPOR FLOW	CFM	7	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		%60	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gallon	3060	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN [Signature] DATE 8-28-97 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				RE4			RE7		ON	RE1		RE3			RE6	RE7
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	1110	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	70	
					AIR TEMP	F	70	
					AIR FLOW	CFM	19	
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		60	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gals	3027	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

CATALIST IN	F		
CATALIST OUT	F		
EXHAUST HC	PPM/%		
EXHAUST CO	%PPM		
EXHAUST CO2	%		
EXHAUST NOX	%PPM		
CATALYST REPLACEMENT			
EXHAUST O2	%		
INLET	PPM		
OUTLET	PPM		

COMMENTS:

SERVICE TECHNICIAN W. P. [Signature] DATE 8-14-97 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS	WATER							WELLS	VAPORS						
	ON								ON						
OFF							OFF								

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM		
					HOURS	#	10950	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O	=	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gall	3012	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *System shut down because need replace alternator and recharge battery -*

SERVICE TECHNICAN *[Signature]* DATE *8-07-97* THRIFTY OIL CO # *054*

ENT CO.

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FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD

R			WELLS		VAPORS				
		RE7	ON	RE1	RE3			RE6	RE7
			OFF						

ING		RSI SYSTEM			
PT	DTB	PARAMETER	U/M	DATA	OBS
		TIME	AM/PM	PM	
		HOURS	#	10946	
		ENGINE RPM	RPM	1900	
		ENGINE VACUUM	IN HG	12	
		TK REC TEMP	F	100	
		AIR TEMP	F	72	
		AIR FLOW	CFM	15	
		VAPOR FLOW	CFM	19	
		FUEL FLOW	CFM/H	85	
ER & VAPOR ACU OR CAT		WELL VACUUM	IN H2O	13	
		GAS METER		56%	
MIT	DATA	CATALIST IN	F		
96		CATALIST OUT	F		
		EXHAUST HC	PPM/%		
		EXHAUST CO	%PPM		
		EXHAUST CO2	%		
		EXHAUST NOX	%PPM		
		CATALYST REPLACEMENT			
		EXHAUST O2	%		
		INLET	PPM		
		OUTLET	PPM		

Plust down when I came for inspection

DATE 7-24-91 THRIFTY OIL CO # 056

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE4			RE7	ON	RE1		RE3		RE6	RE7	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	Am	
					HOURS	#	14:00	
					ENGINE RPM	RPM	10836	
					ENGINE VACUUM	IN HG	1900	
					TK REC TEMP	F	100	
					AIR TEMP	F	72	
					AIR FLOW	CFM	10	
					VAPOR FLOW	CFM	7	
					FUEL FLOW	CFM/H	85	
					WELL VACUUM	IN H2O	13%	
					GAS METER		60%	
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
PARAMETER	U/M	LIMIT	DATA		CATALIST OUT	F		
FLOWMETER	Gall	2053			EXHAUST HC	PPM/%		
ROTAMETER					EXHAUST CO	%PPM		
VPI FLOW					EXHAUST CO2	%		
VPI VACUUM					EXHAUST NOX	%PPM		
AIR COMPRES					CATALYST REPLACEMENT			
VAPOR					EXHAUST O2	%		
INLET VAPOR					INLET	PPM	—	
TEMPERATURE					OUTLET	PPM	—	
LEL								

COMMENTS: System was shut down when I came to inspect -
b/w/M. sampling

SERVICE TECHNICAN [Signature] DATE 7-17-91 THRIFTY OIL CO # 054

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

54

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE4			RE2	ON	RE1		RE3		RE6	RE7	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	PM	
					HOURS	#	10890	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	80	
					AIR TEMP	F	72	
					AIR FLOW	CFM	15	
					VAPOR FLOW	CFM	18	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	25"	
					GAS METER		60%	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gall	2064	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: System was shut down when I came to visit. Restart again. Water flow, very slow.

SERVICE TECHNICIAN J. [Signature] DATE 7-24-97 THRIFTY OIL CO # 054

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MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
	ON				REL.			RE2	ON	RE1		RE3	
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10810	
					ENGINE RPM	RPM	1600	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	90	
					AIR TEMP	F	76	
					AIR FLOW	CFM	7	
					VAPOR FLOW	CFM	2	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		50%	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

COMMENTS: Water is very clean from RE-1 and RE-6??

SERVICE TECHNICIAN Ken Starn DATE 7-10-05 THRIFTY OIL CO # 054

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MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				REL4			REL7	ON	REL1		REL3			REL6	REL7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10712	
					ENGINE RPM	RPM	1850	
					ENGINE VACUUM	IN HG	14	
					TK REC TEMP	F	90	
					AIR TEMP	F	70	
					AIR FLOW	CFM	12	
					VAPOR FLOW	CFM	8	
					FUEL FLOW	CFM/H	40	
					WELL VACUUM	IN H2O	13	
					GAS METER		60%	
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
PARAMETER	U/M	LIMIT	DATA		CATALIST OUT	F		
FLOWMETER	GALL	2027			EXHAUST HC	PPM/%		
ROTAMETER					EXHAUST CO	%PPM		
VPI FLOW					EXHAUST CO2	%		
VPI VACUUM					EXHAUST NOX	%PPM		
AIR COMPRES					CATALYST REPLACEMENT			
VAPOR					EXHAUST O2	%		
INLET VAPOR					INLET	PPM		
TEMPERATURE					OUTLET	PPM		
LEL								

COMMENTS: •

SERVICE TECHNICAN R. W. [Signature] DATE 1-23-91 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				RE-4			RE-7	ON	RE-1		RE-1			RE-6	RE-7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10697	
					ENGINE RPM	RPM	1900	
					ENGINE VACUUM	IN HG	12	
					TK REC TEMP	F	95	
					AIR TEMP	F	72	
					AIR FLOW	CFM	10	
					VAPOR FLOW	CFM	7	
					FUEL FLOW	CFM/H	90	
					WELL VACUUM	IN H2O	13	5"
					GAS METER		60%	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALL.	2015	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: WATER VERY SLOW FROM RE-4 and RE-7

SERVICE TECHNICIAN R. H. [Signature] DATE 6-24-97 THRIFTY OIL CO # 054

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				REF 4			REF 7	ON	REF 1		REF 3			REF 6	REF 7
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10682	
					ENGINE RPM	RPM	1700	
					ENGINE VACUUM	IN HG	19	
					TK REC TEMP	F	90	
					AIR TEMP	F	70	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	85	
					WELL VACUUM	IN H2O	13	
					GAS METER		60%	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

COMMENTS:

SERVICE TECHNICAN [Signature] DATE 6-19-96 THRIFTY OIL CO # 054

MAINFOLD															
WELLS		WATER						WELLS		VAPORS					
ON				REL			REL	ON	REL		REL		REL	REL	
OFF								OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10663	
					ENGINE RPM	RPM		
					ENGINE VACUUM	IN HG		
					TK REC TEMP	F		
					AIR TEMP	F		
					AIR FLOW	CFM		
					VAPOR FLOW	CFM		
					FUEL FLOW	CFM/H		
					WELL VACUUM	IN H2O		
					GAS METER			

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gale	1056	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: QWS. System was shut down, restart engine

SERVICE TECHNICAN RDR DATE 6-12-92 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		REC	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	1064A	
					ENGINE RPM	RPM	1700	
					ENGINE VACUUM	IN HG	10	
					TK REC TEMP	F	48	
					AIR TEMP	F	68	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	13	
					GAS METER		%72	
HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT					CATALIST IN	F		
PARAMETER	U/M	LIMIT		DATA	CATALIST OUT	F		
FLOWMETER	Gall.	1020			EXHAUST HC	PPM/%		
ROTAMETER					EXHAUST CO	%PPM		
VPI FLOW					EXHAUST CO2	%		
VPI VACUUM					EXHAUST NOX	%PPM		
AIR COMPRES					CATALYST REPLACEMENT			
VAPOR					EXHAUST O2	%		
INLET VAPOR					INLET	PPM		
TEMPERATURE					OUTLET	PPM		
LEL								

COMMENTS: The flow from RE7 is very low??

SERVICE TECHNICAN [Signature] DATE 6-02-97 THRIFTY OIL CO # 054

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	AM	
					HOURS	#	10557	
					ENGINE RPM	RPM	1700	
					ENGINE VACUUM	IN HG	19	
					TK REC TEMP	F	98	
					AIR TEMP	F	70	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	16	
					FUEL FLOW	CFM/H	60	
					WELL VACUUM	IN H2O	13	
					GAS METER		%72	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gall	1017	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: On arrival the engine was stop. I need replace the coil and reset system

SERVICE TECHNICAN LaDon DATE 5-29-97 THRIFTY OIL CO # 054

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE2	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	9:00	
					HOURS	#	10401	
					ENGINE RPM	RPM	1800	
					ENGINE VACUUM	IN HG	11	
					TK REC TEMP	F	100	
					AIR TEMP	F	75	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	13	
					GAS METER			
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER			
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICAN *[Signature]* DATE 5-22-97 THRIFTY OIL CO # 059

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				RE4			RE2		ON	RE1		RE3			RE6	RE7
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	8:30	
					HOURS	#	10240	
					ENGINE RPM	RPM	1700	
					ENGINE VACUUM	IN HG	19	
					TK REC TEMP	F	100	
					AIR TEMP	F	75	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	60	
					WELL VACUUM	IN H2O	13	
					GAS METER		%.75	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALL	972	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: b.w. only, because no vials for water sampling

SERVICE TECHNICIAN [Signature] DATE 5-15-1991 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	8:30	
					HOURS	#	10072	
					ENGINE RPM	RPM	1600	
					ENGINE VACUUM	IN HG	16	
					TK REC TEMP	F	95	
					AIR TEMP	F	70	
					AIR FLOW	CFM	13	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFMH	70	
					WELL VACUUM	IN H2O	12	
					GAS METER		7675	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	GALL.	740	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS:

SERVICE TECHNICIAN *[Signature]* DATE 5-08-97 THRIFTY OIL CO # 054

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE-4		RE-7	ON	RE-1		RE-3		RE-6	RE-2
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	9:00	
					HOURS	#	10032	
					ENGINE RPM	RPM	1450	
					ENGINE VACUUM	IN HG	17	
					TK REC TEMP	F	98	
					AIR TEMP	F	68	
					AIR FLOW	CFM	11	
					VAPOR FLOW	CFM	15	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	15	
					GAS METER		% 78	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM	29870	
					OUTLET	PPM	310	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gall.	693	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *bw sampling*

SERVICE TECHNICAN: *[Signature]* DATE: *5-01-98* THRIFTY OIL CO # *054*

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD													
WELLS	WATER						WELLS	VAPORS					
ON				RE4		RE7	ON	RE1		RE3		RE6	RE7
OFF							OFF						

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	9:00	
					HOURS	#	9812	
					ENGINE RPM	RPM	1600	
					ENGINE VACUUM	IN HG	17	
					TK REC TEMP	F	120	
					AIR TEMP	F	68	
					AIR FLOW	CFM	11	
					VAPOR FLOW	CFM	13	
					FUEL FLOW	CFM/H	70	
					WELL VACUUM	IN H2O	13	
					GAS METER	%	79%	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM		
					OUTLET	PPM		

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT			
PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Coll.	623	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: *bw air sampling Engine was not running, for restart I need replace the coil, battery I must recharge??*

SERVICE TECHNICAN *DeBlyer* DATE *04-17-97* THRIFTY OIL CO # *054*

EARTH MANAGEMENT CO.

Environmental Remediation

FIELD STATUS REPORT

GROUND WATER AND SOIL CLEAN-UP SYSTEM

MAINFOLD																
WELLS		WATER						WELLS		VAPORS						
ON				RE4			RE7		ON	RE-1		RE3			RE6	RE7
OFF									OFF							

WELL MONITORING					RSI SYSTEM			
WELL NO	DTW	DTP	PT	DTB	PARAMETER	U/M	DATA	OBS
					TIME	AM/PM	7:30	
					HOURS	#	9781	
					ENGINE RPM	RPM	1200	
					ENGINE VACUUM	IN HG	7	
					TK REC TEMP	F	70	
					AIR TEMP	F	68	
					AIR FLOW	CFM	14	
					VAPOR FLOW	CFM	17	
					FUEL FLOW	CFM/H	80	
					WELL VACUUM	IN H2O	12	
					GAS METER		7/80	
					CATALIST IN	F		
					CATALIST OUT	F		
					EXHAUST HC	PPM/%		
					EXHAUST CO	%PPM		
					EXHAUST CO2	%		
					EXHAUST NOX	%PPM		
					CATALYST REPLACEMENT			
					EXHAUST O2	%		
					INLET	PPM	12000	
					OUTLET	PPM	280	

HYDROCARBON STRIPPER & VAPOR EXTRACTION SYSTEM W/ACU OR CAT

PARAMETER	U/M	LIMIT	DATA
FLOWMETER	Gals	443	
ROTAMETER			
VPI FLOW			
VPI VACUUM			
AIR COMPRES			
VAPOR			
INLET VAPOR			
TEMPERATURE			
LEL			

COMMENTS: Alternator need to be replaced, I have dead battery every time I inspect the system

SERVICE TECHNICAN Joe Lopez DATE 04-03-97 THRIFTY OIL CO # 054

13415 Carmenita Road/P.O. Box 2129, Santa Fe Springs, CA 90670