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THRIFTY OIL CO.

January 25, 2002

O.23650
Local #3871
RWQCB #01-1479
Global ID #T0600101366
Confirmation #3359563946

Ms. Susan Hugo
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay parkway, 2nd Floor
Alameda, CA 94502

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station 39542
6125 Telegraph Avenue
Oakland, CA 94609
4th Quarter 2001, Status Report

JAN 3 0 2002

Dear Ms. Hugo:

Presented herewith is the Fourth Quarter 2001, Status Report for former Thrifty Oil Co. Station #063 located at 6125 Telegraph Avenue, Oakland, California.

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

Sincerely,

for Chris Panaitescu
General Manager
Environmental Affairs

cc: ARCO Products Company
File

THRIFTY OIL CO.

January 24, 2002

Local #3871
RWQCB #01-1479
Global ID #T0600101366
Confirmation #3359563946

Ms. Susan Hugo
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
4th Quarter 2001, Status Report

Dear Ms. Hugo:

Presented herein is the Fourth Quarter 2001, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the site monitoring and remedial efforts in the Fourth Quarter 2001. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling, and remedial system monitoring activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. In general, groundwater occurred beneath the station at depths ranging from 12.16 feet below surface grade (bsg) in monitoring well MW-1 to 16.87 feet bsg in monitoring well MW-4 on October 17, 2001. A groundwater elevation contour map based on the October 17, 2001 data is presented in **Figure 2**. The groundwater flow is radial from well MW-1 generally toward the west with a gradient ranging from approximately 0.04 to 0.12 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-4, MW-5, and MW-6 on October 17, 2001. Recovery well MW-3 was sampled on October 1, 2001 as an influent stream into the groundwater remediation system. Groundwater samples were obtained by EMC and delivered in a chilled state following strict Chain-of-Custody procedures to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA methods 8015M and 8021B. Samples with detectable MTBE were confirmed using EPA method 8260B. A summary of historical analytical sampling results are provided in **Table 1**. Copies of the EMC Field Status Reports are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPH-g, BTEX, and MTBE concentrations appear in **Table 1**, and **Appendix B**. TPH-g, benzene, and MTBE isoconcentration maps results are presented in **Figures 3, 4, and 5**, respectively. Laboratory results indicate

the highest concentrations of TPH-g, benzene, and MTBE were in monitoring well MW-4, with concentrations of 13,500 ug/L, 1,950 ug/L, and 329 ug/L, respectively. The isoconcentration maps did not incorporate data from the treatment system influent, even though the groundwater is pumped solely from well MW-3, because it was not sampled on the same day as the other wells were sampled.

Remediation Status

Site remedial activities were initiated in April 1991. Presently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring well MW-3 with treatment utilizing activated carbon. System operational data is included in **Table 2** and **Appendix C**. During this reporting period, the groundwater treatment system processed approximately 222,840 gallons of groundwater (from September 24 through December 31, 2001), and has treated approximately 1,519,979 gallons of groundwater since start up (April 1991) through December 2001. The system was shut down on October 16 for quarterly groundwater sampling, and restarted on October 17. The system was inadvertently shut down on November 26, 2001 and restarted on December 3, 2001. The system operated throughout the rest of the fourth quarter 2001.

Inlet, intermediate 1, intermediate 2, intermediate 3, and outlet water samples were collected on October 1, 2001. The samples collected by EMC were sent to a state certified laboratory for analysis. The samples were analyzed for TPH-g, BTEX, and MTBE by EPA methods 8015 and 8021B. The outlet laboratory sample results for TPH-g, BTEX, and MTBE were below the laboratory detection limits. A copy of the laboratory analytical reports are included in **Appendix D**.

Other Activities

The groundwater monitoring wells and the treatment unit will be monitored and sampled during the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the First Quarter 2002 monitoring report.

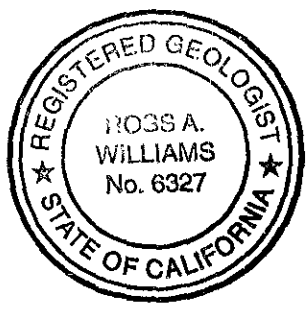
All interpretations expressed in this report are based solely upon the review of data collected by EMC, and Associated Laboratories.

Written by:

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

Reviewed by:

Ross A. Williams
Registered Geologist #6327



FIGURES

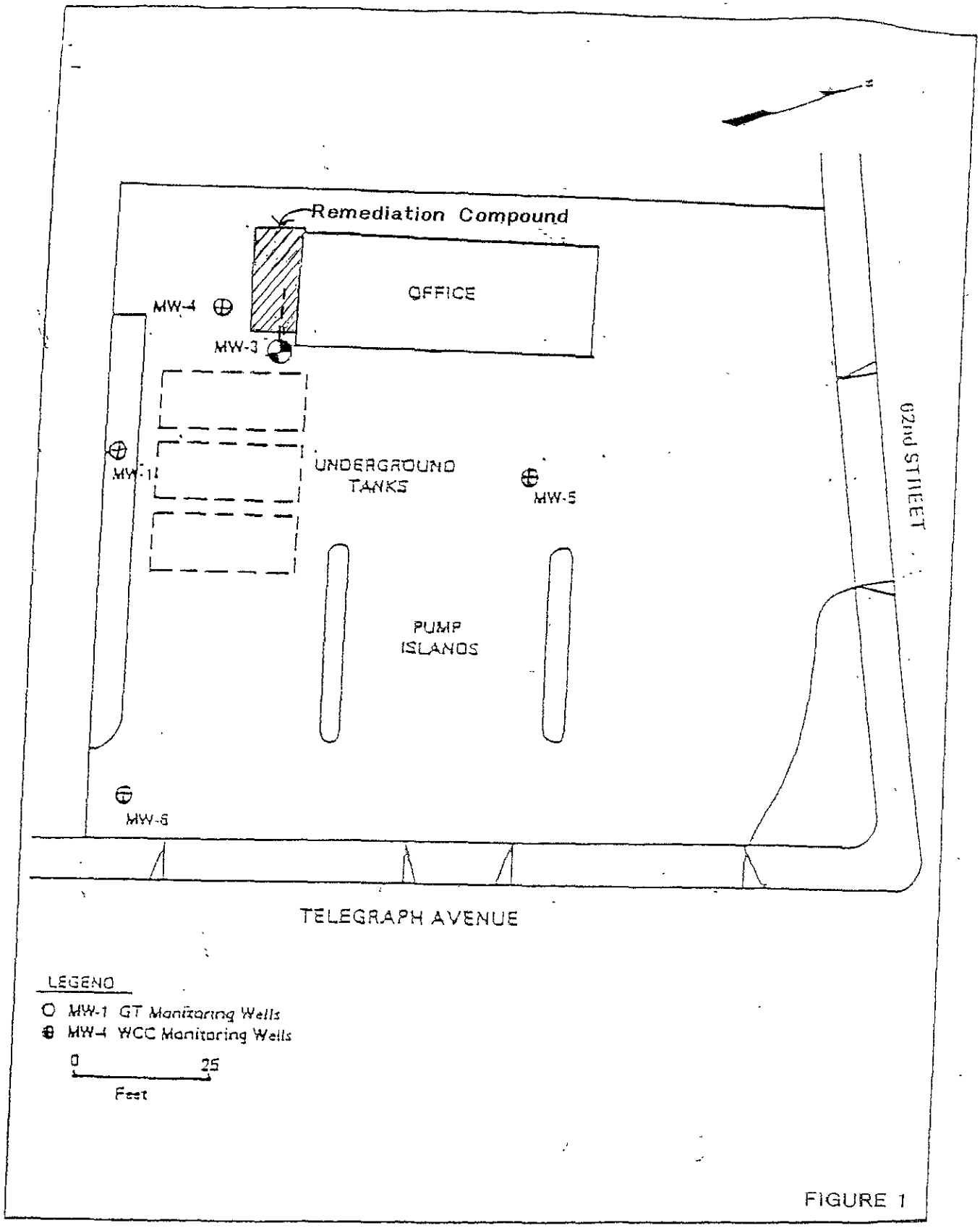
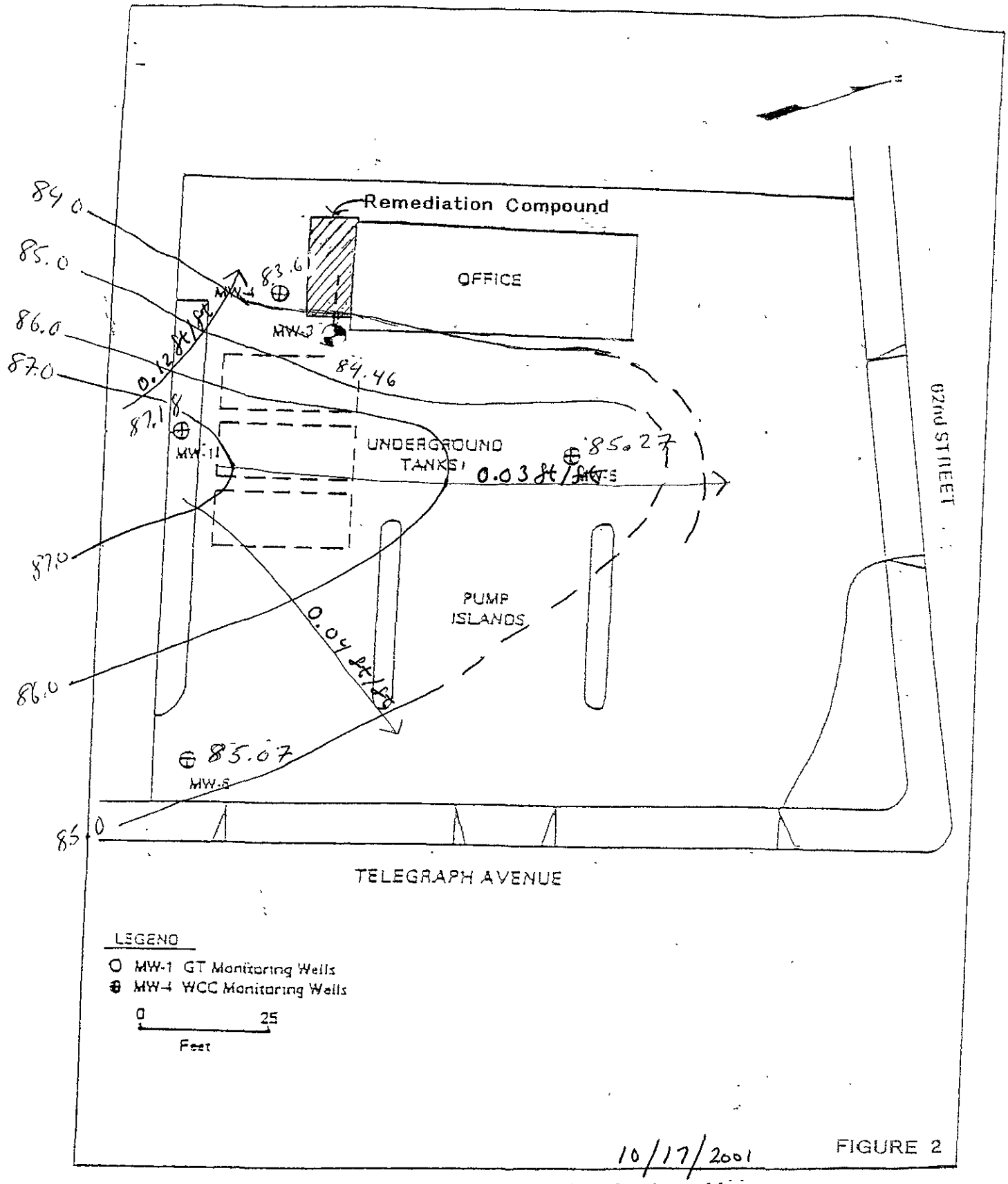


FIGURE 1

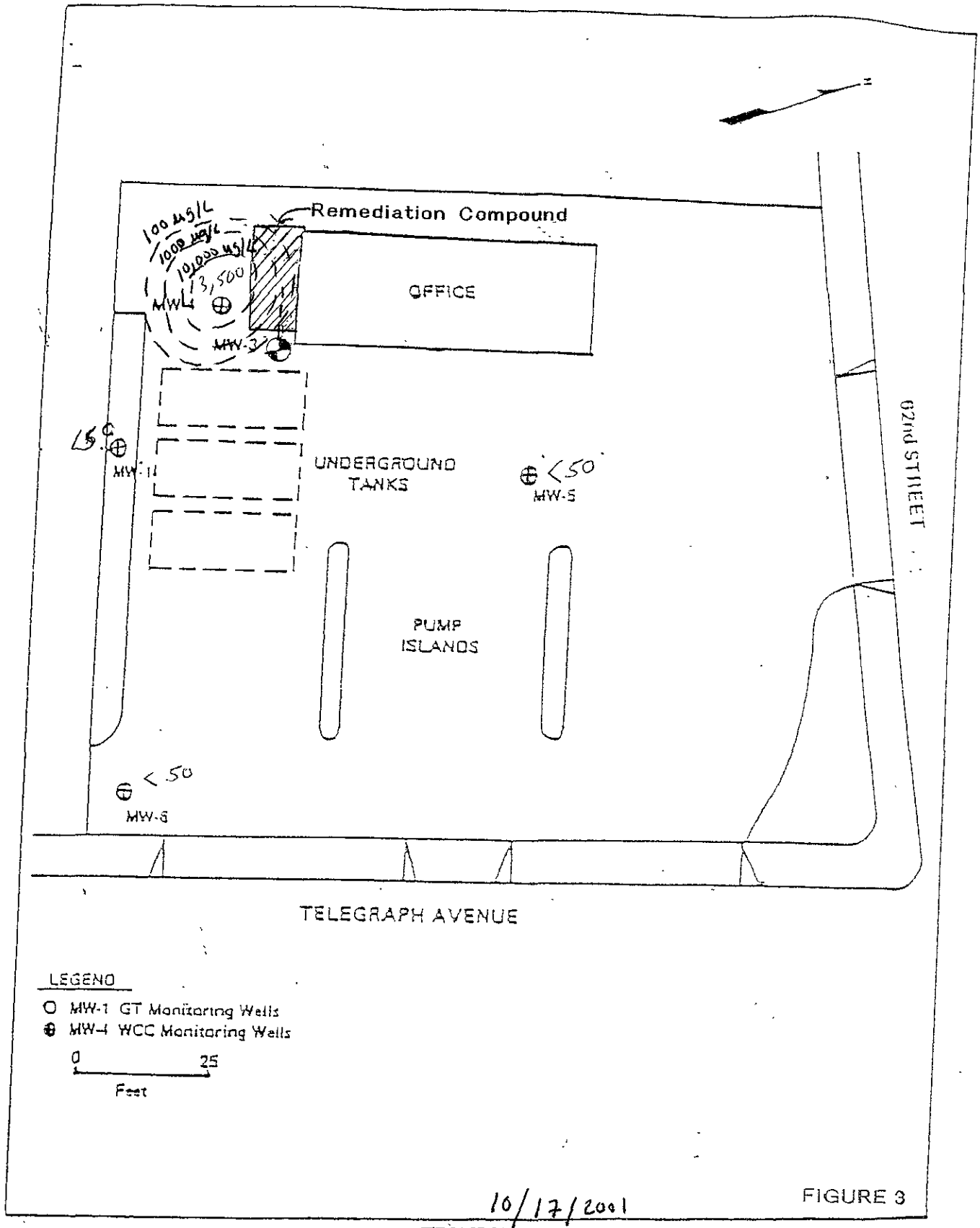
SITE PLAN AND RECOVERY SYSTEM
THRIFTY SERVICE STATION NO. 63
6125 TELEGRAPH AVE.
OAKLAND, CA



10/17/2001

FIGURE 2

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



10/17/2001

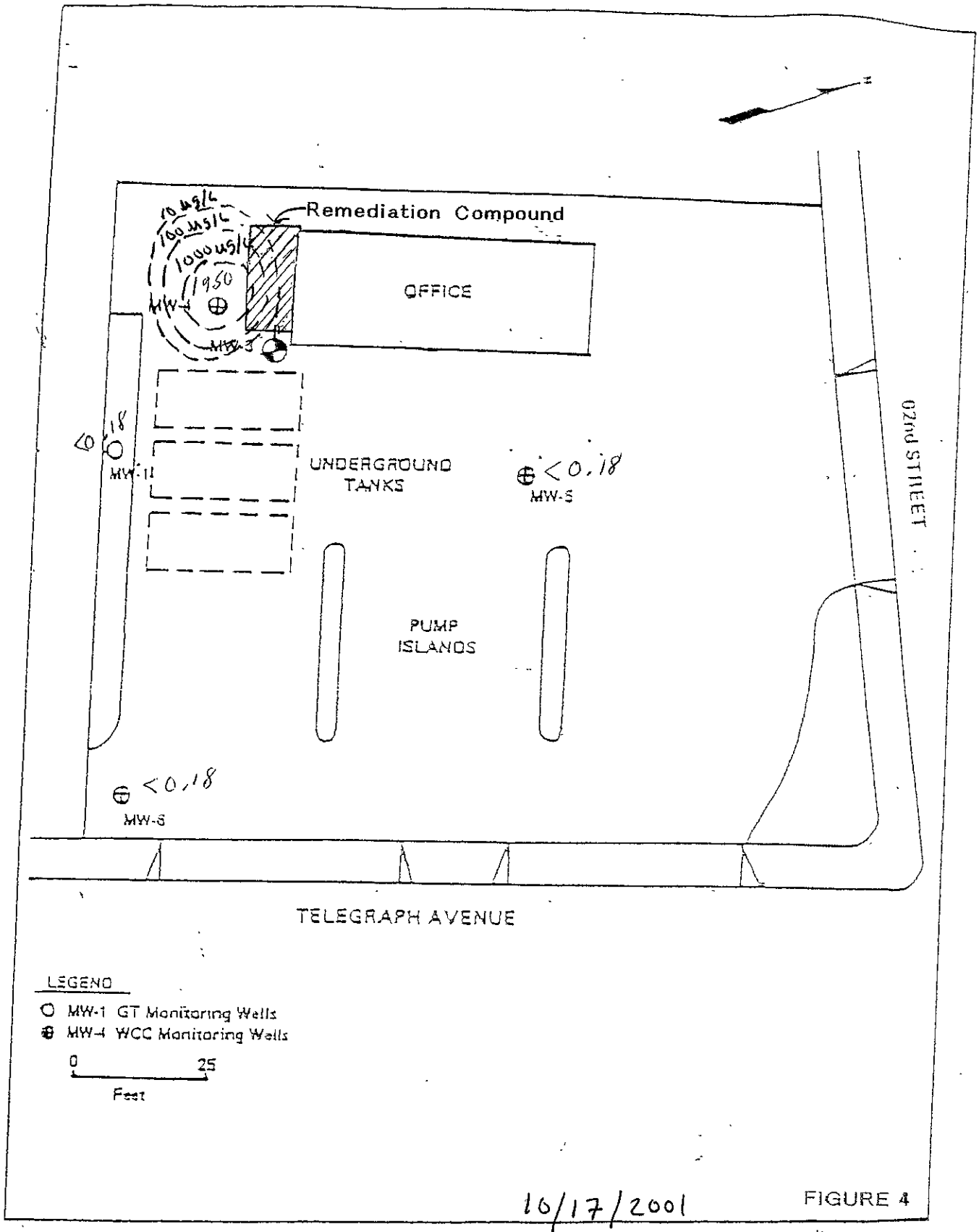
FIGURE 3

TPH-g Isoconcentration Map ug/L

THRIFTY SERVICE STATION NO. 63

6125 TELEGRAPH AVE.

OAKLAND, CA



10/17/2001

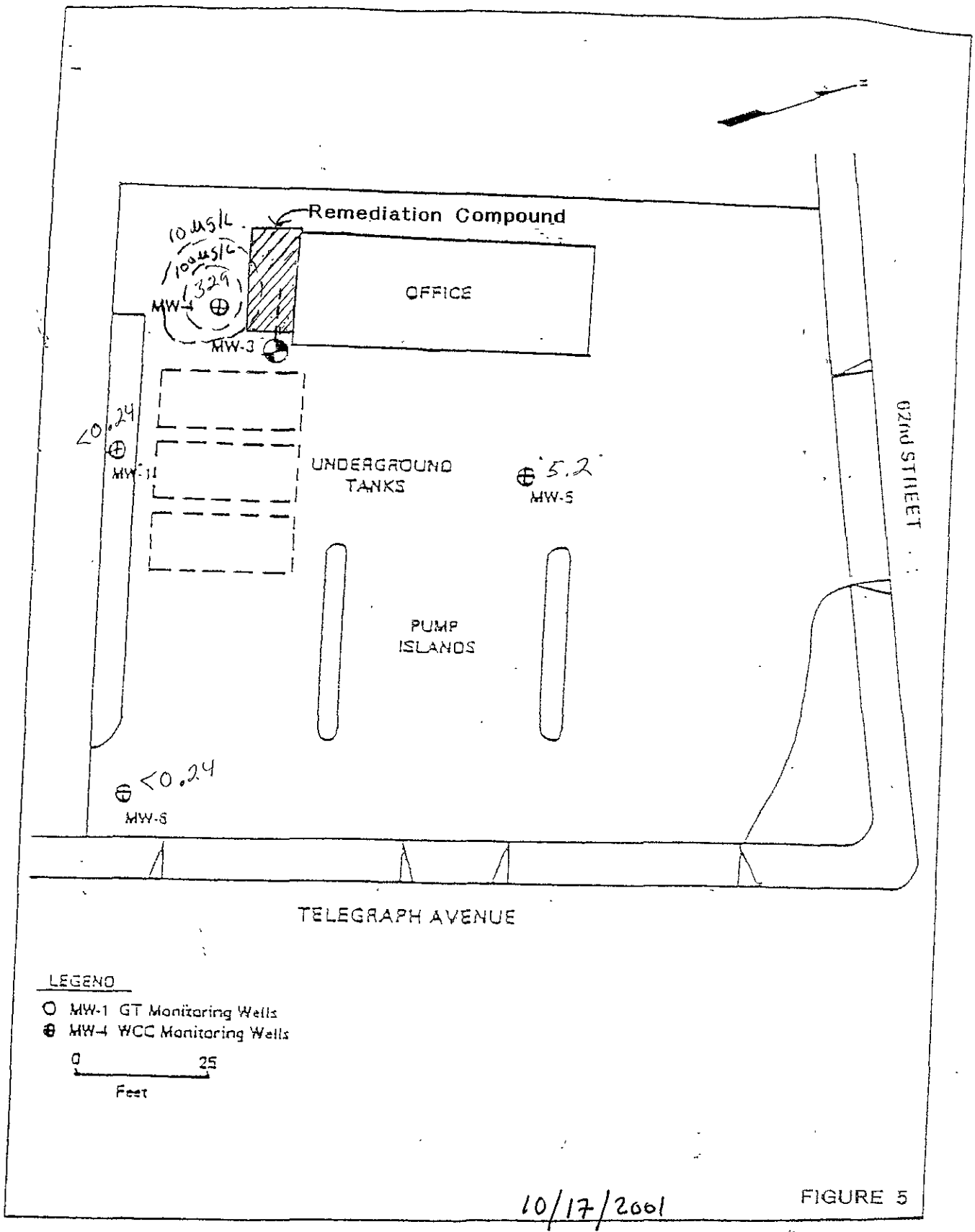
FIGURE 4

Benzene Isoconcentration Map ug/L

THRIFTY SERVICE STATION NO. 63

6125 TELEGRAPH AVE.

OAKLAND, CA



10/17/2001

FIGURE 5

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

TABLES

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-1											
11/21/86	-	-	-	-	-	-	15.42	NP	0 00	99.34	83.92
07/22/91	-	-	-	-	-	-	20.41	FILM	0.00	99.34	78 93
10/24/91	-	-	-	-	-	-	19 06	SHEEN	0.00	99.34	80 28
01/22/92	-	-	-	-	-	-	18 78	SHEEN	0.00	99.34	80 56
03/24/92	-	-	-	-	-	-	13.55	SHEEN	0.00	99.34	85 79
07/15/92	-	-	-	-	-	-	18 90	FILM	0.00	99.34	80.44
10/05/92	-	-	-	-	-	-	20.50	FILM	0 00	99.34	78.84
01/06/93	-	-	-	-	-	-	14.93	FILM	0 00	99.34	84.41
07/13/93	-	-	-	-	-	-	15.44	FILM	0 00	99.34	83.90
10/11/93	-	-	-	-	-	-	20.36	FILM	0.00	99 34	78 98
01/11/94	-	-	-	-	-	-	19.50	FILM	0.00	99.34	79 84
04/12/94	-	-	-	-	-	-	18.10	FILM	0 00	99.34	81 24
07/14/94	-	-	-	-	-	-	20.03	FILM	0.00	99.34	79.31
01/15/96	11,000	2,800	150	780	770	-	19.02	NP	0.00	99.34	80 32
04/15/96	17,000	3,600	330	1,500	3,400	-	18.82	NP	0.00	99.34	80.52
07/15/96	12,000	1,300	200	1,200	4,600	250	-	NP	-	-	-
10/09/96	-	-	-	-	-	-	14.87	NP	0.00	99.34	84.47
01/13/97	27,000	810	6,000	570	4,100	2,700	10.20	NP	0.00	99.34	89.14
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900	-	NP	-	-	-
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	18.75	NP	0.00	99.34	80.59
10/16/97	680	<0.3	0.55	<0.3	<0.5	-	17.92	NP	0.00	99.34	81.42
01/07/98	42,000	980	2,800	1,200	5,200	1.3	9.80	NP	0 00	99.34	89.54
04/06/98	7,100	700	340	170	2,600	1,000	9.60	NP	0 00	99.34	89.74
07/14/98	19,000	2,100	400	890	5,800	1,600	13.70	NP	0 00	99.34	85.64
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	15.25	NP	0 00	99.34	84 09
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	12.20	NP	0.00	99.34	87 14
04/16/99	320	<0.3	<0.3	<0.3	<0.5	* 540 / 630	12 20	NP	0 00	99.34	87 14
07/14/99	290	<0.3	<0.3	<0.3	<0.5	*590 / 580	13.75	NP	0.00	99.34	85.59
10/07/99	130	<0 3	<0.3	<0.3	<0 5	270	12.15	NP	0 00	99.34	87.19
01/26/00	13,000	460	54	290	3,700	940	13.14	NP	0.00	99.34	86 20
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	10.63	NP	0.00	99.34	88.71
05/26/00	<50	<0.3	<0 3	<0.3	<0.6	<5	9.11	NP	0.00	99 34	90.23
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	9.10	NP	0.00	99 34	90.24
10/25/00	<50	<0.18	<0.14	<0 18	<0.26	<0 24	9.08	NP	0 00	99.34	90.26

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12 16	NP	0.00	99.34	87.18
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	10 60	NP	0.00	99.34	88 74
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.07	NP	0.00	99.34	90.27
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12 16	NP	0.00	99.34	87.18
MONITORING WELL #MW-2											
11/21/86	-	-	-	-	-	-	14.90	0.11	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	17.84	0.38	17.46	100.01	95 35
10/24/91	-	-	-	-	-	-	17.00	16.97	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	16.72	FILM	0.00	100 01	83.29
03/24/92	-	-	-	-	-	-	15 81	11 98	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	16.37	FILM	0.00	100.01	83 64
10/05/92	-	-	-	-	-	-	18.41	18.09	0.32	100.01	81 84
01/06/93	-	-	-	-	-	-	12.37	FILM	0 00	100.01	87.64
07/13/93	-	-	-	-	-	-	15.19	FILM	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	18.05	0.10	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	16.98	0.03	16.95	100 01	95.83
04/12/94	-	-	-	-	-	-	15.54	FILM	0.00	100.01	84 47
07/14/94	-	-	-	-	-	-	17.93	FILM	0.00	100.01	82 08
01/15/96	7,100	720	280	48	660	-	17.20	NP	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	17 26	NP	0.00	100.01	82 75
07/15/96	19,000	360	51	610	1,600	<250	-	-	-	-	-
10/09/96	-	-	-	-	-	-	14.42	NP	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	10 25	NP	0.00	100.01	89.76
04/14/97	141	1.2	0 33	0.44	<0.5	20	-	-	-	-	-
07/07/97	<50	<0 3	<0 3	<0.3	<0.5	<20	17 20	NP	0.00	100.01	82.81
10/16/97	<50	<0.3	<0 3	<0.3	<0.5	-	16 20	NP	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16 26	16.18	0.08	100.01	83.81
	Well Abandoned 1/30/98										
MONITORING WELL #MW-3											
11/21/86	-	100	5.1	<1.0	25	-	16.25	0.10	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	24.00	NP	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	18.10	NP	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	25.80	SHEEN	0.00	99.76	73.96

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
03/24/92	-	-	-	-	-	-	15.60	NP	0.00	99.76	84 16
07/15/92	-	-	-	-	-	-	25.10	FILM	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	25.20	NP	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	25.45	NP	0.00	99.76	74 31
07/13/93	-	-	-	-	-	-	14.24	NP	0.00	99.76	85 52
10/11/93	-	-	-	-	-	-	25.60	NP	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	25.90	NP	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	25 70	NP	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	25.10	NP	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	26.04	NP	0.00	99.76	73 72
04/15/96	-	-	-	-	-	-	21.03	NP	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780	-	-	-	-	-
10/09/96	-	-	-	-	-	-	21.43	NP	0.00	99.76	78 33
01/13/97	-	-	-	-	-	-	11.20	NP	0.00	99.76	88 56
07/07/97	-	-	-	-	-	-	23.40	NP	0.00	99 76	76 36
10/16/97	-	-	-	-	-	-	22.30	NP	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	20.10	NP	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	14.40	NP	0.00	99.76	85 36
10/15/98	-	-	-	-	-	-	-	-	-	-	-
01/20/99	-	-	-	-	-	-	-	-	-	-	-
04/16/99	-	-	-	-	-	-	11.20	NP	0.00	99.76	88 56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	25.87	NP	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	15.40	NP	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	14.25	NP	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	14.20	NP	0.00	99.76	85 56
05/26/00	-	-	-	-	-	-	15.12	NP	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	14.30	NP	0.00	99.76	85 46
10/25/00	-	-	-	-	-	-	14.32	NP	0.00	99 76	85 44
01/10/01	-	-	-	-	-	-	13.46	NP	0.00	99.76	86 30
04/23/01	-	-	-	-	-	-	-	-	-	-	-
07/16/01	-	-	-	-	-	-	12.80	NP	0.00	99.76	86 96
10/17/01	-	-	-	-	-	-	15.30	NP	0 00	99.76	84 46

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

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	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-4											
11/21/86	100,000	3,200	2,700	2,400	14,000	-	16.22	FILM	0.00	99.48	83 26
07/22/91	-	-	-	-	-	-	21.80	21.35	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	20.02	SHEEN	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	19.78	SHEEN	0.00	99.48	79 70
03/24/92	-	-	-	-	-	-	13.94	FILM	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	19.27	FILM	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	21.44	FILM	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	14.08	FILM	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	16.09	FILM	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	21.33	FILM	0.00	99.48	78 15
01/11/94	-	-	-	-	-	-	20.45	FILM	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	19.05	FILM	0.00	99.48	80 43
07/14/94	-	-	-	-	-	-	20.41	FILM	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	19.89	NP	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	19.62	NP	0 00	99.48	79 86
07/15/96	13,000	880	69	820	1,100	3,600	-	-	-	-	-
10/09/96	-	-	-	-	-	-	15.32	NP	0.00	99.48	84 16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	10.80	NP	0.00	99.48	88 68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000	-	-	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	18.80	NP	0.00	99.48	80 68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	17.76	NP	0 00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	11.60	NP	0.00	99.48	87 88
04/08/98	18,000	1,200	130	710	1,400	22,000	10.10	NP	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	16.30	NP	0.00	99.48	83 18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	16.90	NP	0 00	99 48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	15.35	NP	0.00	100.48	85 13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	15.30	NP	0.00	100.48	85.18
07/14/99	8,500	<6	<6	<6	<10	*21,000 / 16,000	18.40	NP	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	16.89	NP	0.00	100.48	83.59
01/26/00	9,900	350	9	460	460	2,800	12.62	NP	0 00	100.48	87 86
04/19/00	8,990	0.7	<0.25	<0 25	<0.5	*3,240 / 5,450	12.28	NP	0.00	100.48	88.20
05/26/00	94	<0.3	<0 3	<0.3	<0 6	*746 / 419	13.81	NP	0 00	100.48	86 67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	12.29	NP	0.00	100.48	88.19
10/25/00	2,480	<0 18	<0.14	<0 18	<0.26	*3,690 / 3,040	12.26	NP	0 00	100.48	88 22
01/10/01	<50	<0.18	2	<0 18	1	962	10 75	NP	0 00	100.48	89 73

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethyl Benzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	12.26	NP	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	13.80	NP	0.00	100.48	86 68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	16.87	NP	0.00	100.48	83.61
MONITORING WELL #MW-5											
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	16.10	NP	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	18.20	NP	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	17.67	NP	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-	-	-	-	-	-
03/24/92	-	-	-	-	-	-	12.98	NP	0.00	100.98	88 00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	17.29	NP	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	18.92	NP	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	13.12	NP	0.00	100.98	87 86
07/13/93	<100	1.1	0.5	1.0	1.5	-	16.15	NP	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	18.75	NP	0.00	100.98	82.23
01/11/94	<50	1.5	<0 3	<0.3	<0.5	-	17.80	NP	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	13.59	NP	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	18.26	NP	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1	-	-	-	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	13.09	NP	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	13.16	NP	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1 4	230	-	NP	-	-	-
10/09/96	-	-	-	-	-	-	15.37	NP	0.00	100.98	85 61
01/13/97	25,000	780	5,700	560	4,000	24,000	10.90	NP	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000	-	-	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	14.70	NP	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	13.60	NP	0.00	100.98	87 38
01/07/98	2,700	33	11	37	580	7.3	10.97	NP	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	10.90	NP	0 00	100.98	90 08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	15.20	NP	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	15.90	NP	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.20	NP	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.25	NP	0.00	101.98	86 73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.96	NP	0.00	101.98	86.02
10/07/99	<50	<0 3	<0.3	<0.3	<0.5	<5	16.33	NP	0.00	101.98	85 65

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/26/00	<50	<0 3	<0.3	<0.3	<0.5	<5	14.80	NP	0.00	101.98	87 18
04/19/00	965	<0 25	<0.25	<0.25	<0.5	<5	10.97	NP	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	14.43	NP	0.00	101.98	87 55
07/26/00	<50	<0 3	<0.3	<0.3	<0.6	<5	14.02	NP	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.04	NP	0.00	101.98	87.94
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.80	NP	0.00	101.98	87.18
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	10.97	NP	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	14 80	NP	0.00	101.98	87 18
10/17/01	<50	<0.18	<0.14	<0 18	<0.26	*16 / 5.2	16.71	NP	0.00	101.98	85.27
MONITORING WELL #MW-6											
11/21/86	<1,000	<2.0	<2.0	<2 0	<2.0	-	12.64	NP	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-	-	-	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-	-	-	-	-	-
03/24/92	-	-	-	-	-	-	10.04	NP	0.00	99.44	89 40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	13.29	NP	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	14.69	NP	0.00	99.44	84 75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	10.87	NP	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	13.10	NP	0.00	99.44	86 34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	14.43	NP	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0 3	<0.5	-	13.56	NP	0.00	99.44	85 88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	12.10	NP	0.00	99.44	87 34
07/14/94	<50	<0.3	<0 3	<0.3	<0.3	-	14.16	NP	0.00	99.44	85 28
07/15/95	140	<0.5	<0.5	<0 5	<1	-	-	-	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	14.29	NP	0.00	99.44	85 15
04/15/96	96	4.5	<0.3	<0.3	0 53	-	14 32	NP	0 00	99.44	85 12
07/15/96	140	2.4	0.44	<0.3	0.70	110	-	-	-	-	-
10/09/96	-	-	-	-	-	-	12.09	NP	0.00	99 44	87 35
01/13/97	210	<0 3	1.2	<0 3	0.68	270	9 85	NP	0.00	99.44	89 59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
07/07/97	<50	<0.3	<0 3	<0.3	<0.5	<20	14.20	NP	0.00	99.44	85 24
10/16/97	<50	<0.3	<0.3	<0 3	<0.5	-	13.10	NP	0 00	99.44	86 34
01/07/98	<50	<0 3	<0.3	<0 3	<0 5	0.10	9 80	NP	0.00	99.44	89 64
07/14/98	330	<0.3	<0 3	<0.3	<0.5	380	12 30	NP	0.00	99.44	87 14
10/15/98	<50	<0.3	<0 3	<0.3	<0.5	<5	14.30	NP	0.00	99.44	85 14

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5	13.60	NP	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.50	NP	0 00	100.44	86 94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5	14.65	NP	0 00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5	15.39	NP	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5	13.85	NP	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	9.65	NP	0.00	100.44	90 79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	13.10	NP	0.00	100.44	87 34
07/26/00	<50	<0.3	<0.3	<0.3	<0 6	<5	12.35	NP	0.00	100.44	88 09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	12.30	NP	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	13.45	NP	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	9.65	NP	0 00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.09	NP	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.37	NP	0.00	100.44	85 07

NOTE:

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

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
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
4/8/91	1,669	0	-	-	<0 3	<0 3	<0 3	<0 9	-	-	1300	120	<7 5	1300	-
4/15/91	5,742	4,073	582	-	<0 3	<0.3	<0 3	<0 3	-	-	700	140	<15	500	-
4/22/91	10,240	8,571	643	-	<0 3	<0.3	<0 3	<0.9	-	-	850	100	34	860	-
4/29/91	15,510	13,841	753	-	<0 3	<0,3	<0.3	<0.9	-	-	220	8.4	<0.3	42	-
5/6/91	20,200	18,531	670	-	<0 3	<0,3	<0.3	<0 9	-	-	280	0 8	<0 3	56	-
5/13/91	24,430	22,761	604	-	<0.3	<0,3	<0 3	<0 9	-	-	190	5.6	<0 3	37	-
5/20/91	28,480	26,811	579	-	<0.3	<0 3	<0 3	<0.9	-	-	150	0 83	1 4	29	-
5/28/91	29,310	27,641	104	-	<0 3	<0,3	<0.3	<0 9	-	-	<0.3	<0.3	<0.3	<0.9	-
6/3/91	33,080	31,411	628	-	<0 3	<0,3	<0 3	<0 9	-	-	58	4	<0.3	33	-
6/10/91	36,939	35,270	551	-	<0.3	<0 3	<0 3	<0.9	-	-	45	<0 3	<0 3	16	-
6/17/91	40,673	39,004	533	-	<0 3	<0.3	<0.3	<0 9	-	-	69	4.9	0 9	21	-
6/24/91	44,453	42,784	540	-	<0.3	<0 3	<0.3	<0 9	-	-	5 4	2	<0.3	6.6	-
7/1/91	48,173	46,504	531	-	<0.5	<0 5	<1	<1	-	-	14	15	<1	9.1	-
7/8/91	51,681	50,012	501	-	<0 5	<0 5	<1	<1	-	-	<0 5	<0 5	<1	6.9	-
7/15/91	55,186	53,517	501	-	<0 5	<0.5	<1	<1	-	-	<0 5	0.6	<1	6 3	-
7/22/91	62,150	60,481	995	-	<0.5	<0.5	<1	<1	-	-	<0 5	<0 5	<1	2.6	-
7/29/91	62,150	60,481	-	-	<0 5	<0.5	<1	<1	-	-	<0.5	<0 5	1 2	19	-
8/5/91	63,241	61,572	156	-	<0.5	<0 5	<1	<1	-	-	<0 5	<0.5	<1	<1	-
8/12/91	66,091	64,422	407	-	<0.5	<0 5	<1	<1	-	-	2 6	<0 5	<1	12	-
8/19/91	67,649	65,980	223	-	<0 5	<0.5	<1	<1	-	-	20	3 3	2.8	70	-
8/26/91	70,514	68,845	409	-	<0.5	<0 5	<1	<1	-	-	<0 5	<0 5	1 2	19	-
9/9/91	70,564	68,895	4	-	<0.5	<0 5	<1	<1	-	-	270	10	13	69	-
9/16/91	73,526	71,857	423	System shut down due to damaged compressor pump					-						-
10/7/91	73,526	71,857	-	-	<0.5	<0 5	<1	<1	-	-	<0 5	<0 5	<1	3 8	-
10/14/91	74,516	72,847	141	-	<0 5	<0 5	<1	<1	-	-	60	1.1	<1	23	-
10/21/91	76,091	74,422	225	-	<0 5	<0.5	<1	<1	-	-	<0 5	<0 5	<1	<1	-
10/28/91	83,242	81,573	1,022	-	<0.5	<0 5	<1	<1	-	-	<0 5	<0 5	<1	14	-
11/3/91	83,242	81,573	-	-	<0 5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3 1	-
11/11/91	84,351	82,682	139	-	<0.5	<0 5	<1	<1	-	-	99	1 9	<1	14	-
11/18/91	85,647	83,978	185	-	<0 5	<0.5	<1	<1	-	-	42	1	1	10	-
11/25/91	89,512	87,843	552	-	<0 5	<0 5	<1	<1	-	-	<0.5	<0 5	<1	3.9	-
12/3/91	93,407	91,738	487	-	<0 5	<0 5	<1	<1	-	-	<0 5	<0 5	<1	3.8	-
12/9/91	96,210	94,541	467	-	<0 5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3 2	-
12/16/91	99,045	97,376	405	-	<0.5	<0 5	<0 5	<0 5	-	-	1.3	<0 5	<0 5	1.5	-
12/23/91	102,334	100,665	470	-	<0 5	<0 5	<0.5	<0 5	-	-	1 7	<0.5	<0.5	2 4	-
12/30/91	105,124	103,455	399	-	<0.5	<0 5	<0 5	<0.5	-	-	22 6	1.2	0 7	4 9	-
1/15/92	115,691	114,022	660	-	<0 5	<0.5	<0 5	<0.5	-	-	130	11	<0.5	50	-
2/10/92	124,846	123,177	352	-	<0.5	<0 5	<0 5	<0 5	-	-	20	0 51	<0.5	3 6	-
3/9/92	149,965	148,296	897	<200	<0 5	<0.5	<0.5	<0.5	-	12,000	2,100	400	170	2,100	-
4/13/92	168,567	166,898	531	<200	<0.5	<0 5	<0.5	<0.5	-	2,100	280	3 9	<2.5	98	-
5/11/92	187,170	185,501	664	<200	<0 5	0 7	<0 5	<0.5	-	<200	<0.5	<0.5	<0 5	<0 5	-
6/8/92	190,490	188,821	119	-	<0.5	<0.5	<0.5	<0 5	-	-	44	3 7	0 7	64	-
7/6/92	197,080	195,411	235	-	-	-	-	-	-	-					-
7/13/92	197,890	196,221	116	-	<0.5	<0 5	<0.5	<0 5	-	-	<0.5	<0 5	<0 5	<0.5	-

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
7/13/92	197,890	196,221	-	Sytem shut down for repair of electrical motor											
8/10/92	197,890	196,221	-	Restart the system											
8/17/92	201,300	199,631	487	-	<0 5	<0.5	<0.5	<0 5	-	-	<0.5	<0.5	<0.5	<0.5	-
9/14/92	209,647	207,978	298	-	<0 5	<0 5	<0.5	<1	-	-	<0 5	<0 5	<0 5	<1	-
10/5/92	217,360	215,691	367	<200	<0 5	<0 5	<0 5	<1	-	<200	<0 5	<0.5	<0.5	<1	-
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1	-	-	1 1	0.5	<0.5	10	-
12/14/92	243,048	241,379	493	-	<0 5	<0.5	<0.5	<1	-	-	720	46	<10	1,700	-
01/04/93	252,510	250,841	451	-	<0 5	<0 5	<0 5	<1	-	-	400	32	<25	520	-
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0 5	<1	-	9,000	1,400	330	260	1,200	-
03/08/93	269,330	267,661	149	-	<0 5	<0.5	<0.5	<1	-	-	1,100	150	7.5	1,000	-
04/26/93	271,290	269,621	40	<100	<0 5	<0 5	<0.5	<1	-	7,200	1,100	100	25	780	-
04/26/93	271,290	269,621	-	System shut down fo repair											
07/15/93	272,577	270,908	16	Restart the system											
08/11/93	284,230	282,561	432	-	<0 5	<0 5	<0 5	<1	-	-	1.3	<0.5	<0 5	1.6	-
09/16/93	298,832	297,163	406	<60	<0.3	<0 3	<0 3	<0.6	-	<60	<0 3	<0.3	<0.3	<0.6	-
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-	-	-
10/11/93	307,068	305,399	476	<60	<0 3	<0 3	<0 3	<0 6	-	<60	<0 3	<0 3	<0 3	<0 6	-
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-	-	-
11/12/93	318,203	316,534	347	<50	<0.3	<0 3	<0 3	<0 5	-	<50	<0.3	<0.3	<0.3	<0 5	-
12/10/93	329,947	328,278	419	<50	<0.3	<0 3	<0.3	<0 5	-	<50	<0 3	<0 3	<0.3	<0.5	-
01/13/94	345,860	344,191	468	-	<0 3	<0.3	<0 3	<0.5	-	-	<0.3	<0 3	<0 3	<0.5	-
02/10/94	359,662	357,993	493	-	<0 3	<0 3	<0.3	<0.5	-	-	430	41	36	480	-
02/18/94	618,620	-	-	Changed air filters The water flowmeter jumped from 359,662 to 618,620.											
03/10/94	627,540	368,913	446	-	<0 3	<0.3	<0.3	<0.5	-	-	<0 3	<0 3	<0 3	7.7	-
04/14/94	645,330	384,703	508	<50	<0 3	<0 3	<0.3	<0 5	-	170	1.5	<0 3	0.38	0.73	-
05/19/94	653,520	392,893	234	<50	<0.3	<0 3	<0.3	<0 5	-	1,500	46	4.1	0 5	84	-
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0 3	<0.5	-	12,000	860	37	<13	1,600	-
07/14/94	672,750	412,123	312	<50	<0 3	<0 3	<0.3	<0 5	-	<50	<0.3	<0 3	<0 3	<0.5	-
08/11/94	681,920	421,293	328	<50	<0 3	<0 3	<0 3	<0 5	-	<50	<0 3	<0.3	<0 3	<0.5	-
09/15/94	692,083	431,456	290	<50	<0 3	<0 3	<0.3	<0.5	-	<50	<0 3	<0 3	<0.3	<0 5	-
10/17/94	699,979	439,352	247	<50	<0.3	<0 3	<0.5	<0 5	-	<50	<0 3	<0 3	<0 5	<0.5	-
11/14/94	712,539	451,912	449	<50	<0 3	<0.3	<0 5	<0.5	-	<50	<0 3	<0.3	<0 5	<0 5	-
12/19/94	734,620	473,993	631	<50	<0.3	<0 3	<0.5	<0 5	-	<50	<0.3	<0 3	<0.5	<0 5	-
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-					
01/16/95	742,074	481,447	0	Sytem shut down for repair of compressor pump											
02/06/95	742,074	481,447	-	Restart the system											
02/13/95	744,063	483,436	284	<50	<0 3	<0 3	<0 5	<0.5	-	<50	<0 3	<0 3	<0 5	<0 5	-
03/13/95	758,930	498,303	531	<100	<0.5	<0 5	<0.5	<1	-	1,300	<0.5	<0.5	<0 5	<1	-
04/17/95	768,276	507,649	267	<100	<0 5	<0.5	<0.5	<1	-	6,200	410	73	97	280	-
05/15/95	780,716	520,089	444	<100	<0.5	<0 5	<0.5	<1	-	1,300	0 6	<0 5	<0.5	<1	-
06/12/95	784,514	523,887	136	<100	<0 5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0 5	<1	-
07/18/95	794,158	533,531	268	<100	<0.5	<0 5	<0 5	<1	-	1,100	<0 5	<0 5	<0.5	<1	-
08/14/95	795,216	534,589	39	<100	<0 5	<0 5	<0.5	<1	-	170	<0 5	<0.5	<0 5	<1	-
09/06/95	797,631	537,004	105	<100	<0.5	<0 5	<0 5	<1	-	1,320	<0.5	<0.5	<0 5	<1	-

TABLE 2

GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM

Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
10/17/95	800,316	539,689	65	<100	<0 5	<0.5	<0 5	<1	-	2,400	26	2.7	3 9	46	-
11/20/95	806,264	545,637	175	150	<0 3	<0 3	<0.3	<0 5	-	450	0.31	<0.3	<0.3	<0.5	-
12/11/95	809,236	548,609	142	300	<0 3	<0 3	<0 3	0 59	-	470	<0.3	<0.3	<0 3	<0.5	-
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0 5	-	900	0 39	<0 3	<0 3	<0 5	-
02/19/96	848,213	587,586	728	800	<0 3	0 57	<0 3	0 83	-	1700	23	3 7	<0 3	80	-
03/19/96	849,587	588,960	47	930	<0.3	<0 3	<0 3	<0.5	-	1,600	5 5	1 4	<0 3	94	-
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0 5	-	1,100	0.43	<0.3	<0 3	<0.5	-
05/13/96	890,214	629,587	1,363	840	<0 3	<0 3	<0 3	<0 5	-	910	<0 3	<0.3	<0 3	<0 5	-
05/13/96	890,214	629,587	-	System shut down for carbon change											
06/14/96	890,214	629,587	-	Restart the system											
06/18/96	890,818	630,191	151	<50	<0 3	<0 3	<0 3	<0 5	-	1,000	92	8 7	3.4	55	-
07/01/96	892,781	632,154	151	-	-	-	-	-	-	-					
07/08/96	894,210	633,583	204	System shut down due to burglary and damaged air compressor											
08/05/96	894,210	633,583	-	Restart the system											
08/13/96	896,220	635,593	251	<50	<0 3	<0.3	<0 3	<0 5	-	3,500	160	110	220	650	-
09/23/96	899,410	638,783	78	<50	<0 3	<0 3	<0.3	<0 5	-	<50	0 49	<0.3	<0.3	<0 5	-
10/09/96	899,845	639,218	27	<50	<0 3	<0 3	<0 3	<0 5	-	730	1.7	0 42	2.1	2.5	-
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	-	81	<0 3	<0 3	<0.3	<0.5	-
12/09/96	901,576	640,949	8	<50	<0 3	<0.3	<0 3	<0 5	-	<50	<0.3	<0 3	<0.3	<0.5	-
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0 3	<0.5	-	13,000	590	250	180	850	-
02/10/97	912,610	651,983	285	82	<0 3	0 38	<0.3	<0 5	-	700	0 92	0 75	<0 3	4.1	-
03/10/97	921,020	660,393	300	<50	<0 3	<0 3	<0 3	<0 5	-	600	<0.3	<0 3	<0 3	<0.5	-
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0 3	<0.5	-	4,400	<0 3	<0.3	<0.3	<0.5	-
05/12/97	941,028	680,401	308	<50	<0 3	<0 3	<0 3	<0 5	-	5,600	7.3	0 32	<0 3	17	-
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0 3	<0.3	<0 3	<0 5	-	1,500	3 4	<0.3	<0 3	26	-
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor							-	-	-	-	-
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0 3	<0.3	<0.3	<0.5	-	550	<0.3	<0 3	<0.3	<0.5	-
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0 3	<0.5	-	65,000	690	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-	-	-
02/09/98		-	-	System shut down due to the UST replacement and station remodeling											
02/17/98		-	-	<50	<0 3	<0 3	<0 3	<0.5	-	35,000	150	<15	<15	8,900	-
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)											
4/13 - 6/1/98	-	-	-	System was undergoing several maintenance / piping / hose replacement											
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0 3	<0 3	<0 3	<0.5	-	3,500	14	0.56	<0.3	26	-
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0 5	-	2,200	21	4	<0 3	100	-

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-	-	-
11/20/98	-	-	-	System shut down for flowmeter replacement											-
12/01/98	0 0	746,199	-	Restart the system with flowmeter at 000											-
12/31/98	5,340 0	751,539	178	-	-	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down					-	-	-	-	-	-	-
1/11 - 2/1/99	-	-	-	System was undergoing maintenance for the compressor											-
01/20/99	-	-	-	<50	<0 3	<0.3	<0.3	<0.5	-	110	0 43	0 42	<0.3	<0 5	260
02/01/99	15,600.0	761,799	28	Restart system					-						
02/12/99	22,840 0	769,039	658	-	-	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement											
03/26/99	22,840.0	769,039	-	Restart the system											
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-	-	-
04/16/99	29,605.0	775,804	312	<50	<0.3	<0 3	<0 3	<0 5	<5	<50	<0 3	<0 3	<0.3	<0 5	<5
05/11/99	36,010 0	782,209	256	-	-	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000 0	792,199	714	System shut down due to carbon canister leaking											
09/02/99	46,000 0	792,199	-	Restart system					-						
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0 3	<0 5	11	65	<0 3	<0 3	<0 3	<0.5	120
10/21/99	47,278 0	793,477	34	System shut down for carbon change											
11/24/99	47,283.0	793,482	0	Restart system											
12/30/99	49,386 0	795,585	58	-	-	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0 3	<0.3	<0.3	<0.5	-	<50	<0 3	<0.3	<0.3	<0 5	-
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603 0	800,802	94	-	-	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0 25	<0.25	<0.25	<0 5	-	<50	1.3	<0 25	<0 25	<0.5	<5
04/30/00	58,022 0	804,221	115	-	-	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	-	923	<0 6	2	85	80	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0 3	<0 3	<0.3	<0 6	<5	3,820	<0.3	<0 3	<0.3	<0.6	3,740
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<5	<50	<0 3	<0 3	<0 3	<0.6	<5
08/25/00	68,630 0	814,829	88	-	-	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212 0	842,411	754	-	-	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem restarted on 10/25/00 after QWS											
10/25/00	0 0	845,899	-	<50	<0 18	<0 14	<0.18	<0 26	<0.24	17,100	111	121	141	972	998
10/27/00	2,160.0	848,059	1,080	-	-	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420 0	853,319	751	-	-	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560.0	862,459	435	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530 0	897,429	1,249	-	-	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520.0	900,419	157	<50	<0.18	<0.14	<0 18	<0 26	<0 24	10,000	384	223	<0 18	1,330	11,600
02/19/01	99,640 0	945,539	1,128	-	-	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170.0	990,069	1,590	-	-	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050 0	1,012,949	1,090	378	<0 18	<0 14	<0 18	<0 26	475	4,040	191	4	42	38	4,990
04/13/01	169,210.0	1,015,109	540	Shut down system for replacement of carbon drums											
04/18/01	169,210 0	1,015,109	-	Restart system											

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
04/23/01	177,140.0	1,023,039	1,586	93	<0.18	<0 14	<0.18	<0 26	132	1,400	<0 18	<0 14	<0 18	<0.26	3,240
05/02/01	186,800 0	1,032,699	1,073	Shut down system for carbon change											
05/18/01	186,900 0	1,032,799	6	Restart system											
05/30/01	200,850.0	1,046,749	1,163	<50	<0 18	<0 14	<0 18	<0 26	<0 24	3,100	15	<0.14	1	2	*8,510 / 5,780
06/25/01	266,720 0	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760.0	1,124,659	860	<50	<0 18	<0.14	<0 18	<0.26	<0.24	748	15	<0.14	2	2.7	1,440
08/13/01	399,700.0	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240 0	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310 0	1,334,209	5,296	<50	<0 18	<0.14	<0 18	<0.26	<0 24	956	1.2	<0.14	<0.18	<0 26	878
11/12/01	636,260.0	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080 0	1,519,979	772	-	-	-	-	-	-	-	-	-	-	-	-
WD PERMIT LIMITS:				*NE*	*5.0*	*5.0*	*5.0*	*5.0*	*NE*						

Note:
< = less than laboratory detection level indicated
- = no sample / not analyzed
NE = Permit Limit not established
TPH is analyzed by EPA Method 8015 M
BTEX is analyzed by EPA Method 602 or 8020
*MTBE 8020/8260
In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system The total number may be different from previous versions of this table.

APPENDIX A

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #063
6125 TELEGRAPH AVENUE
OAKLAND, CA 94609
DATE: 10-17-01

OBSERVATION WELLS

NO.	DTW	DTP	PT		DTB	DIA.	ODORS			F/P			
MONTHLY							YES	NO	S	YES	NO		
MW-1	12.16				29.03	2"		X			X	-	-
												-	-
MW-3	15.30				28.25	6"		X			X	-	-
MW-4	16.87				29.13	2"		X			X	-	-
MW-5	16.71				26.28	4"		X			X	-	-
MW-6	15.37				26.87	4"		X			X		

EXPLANATION

DTW - DEPTH TO WATER FROM SURFACE
DTP - DEPTH TO PRODUCT FROM SURFACE
PT - PRODUCT THICKNESS
S - SLIGHT
MEASUREMENTS IN FEET
REMARKS: Q. W. S.

FREE PRODUCT REMOVED: APPROX. — GALLONS
WATER REMOVED: APPROX. 74 GALLONS

DATA RECORDED BY: [signature]
INPUT BY: Carrie

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-17-01
Address:			
Personnel:	SERBIA,	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.87	Well Diameter	4"
Depth to Water (ft)	15.37	Est. Purge Volume:	30

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:04	9:08	9:12	9:17	9:21	9:25	9:30
EC	1460	1480	1490	1480	1510	1510	1510
pH	5.61	5.63	5.77	5.86	5.93	5.94	5.94
Temp	21.4	21.3	21.3	21.1	20.9	20.9	20.8
Gal.	4	8	12	17	21	25	30

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection		TIME:	AM/PM
Depth to Water (ft.)	19.30	Total Well Depth(ft).	26.87

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-17-01
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW 1	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	29.03	Well Diameter	2"
Depth to Water (ft)	12.16	Est. Purge Volume:	11

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:31	9:32	9:33	9:35	9:36	9:38	9:40
EC	980	960	930	920	930	920	920
pH	6.06	6.07	6.08	6.06	6.03	6.01	6.01
Temp	21.3	21.3	21.1	20.8	20.8	20.7	20.6
Gal.	1	3	4	6	7	9	11

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection		TIME:	13:40 AM/(PM)
Depth to Water (ft.)	12.21	Total Well Depth(ft).	29.03

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-17-01
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.28	Well Diameter	4"
Depth to Water (ft)	16.71	Est. Purge Volume:	25

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:58	10:02	10:05	10:09	10:12	10:16	10:20
EC	1560	1540	1520	1530	1530	1520	1530
pH	5.83	5.79	5.80	5.83	5.83	5.80	5.80
Temp	21.4	21.3	21.3	21.1	21.1	20.9	20.9
Gal.	3	7	10	14	17	21	25

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection		TIME: 13:20	AM/PM
Depth to Water (ft.)	19.20	Total Well Depth(ft).	26.28

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-17-01
Address:			
Personnel:	SERBAN /	Weather:	SUNNY DAY
Well No:	MW-4	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	29.13	Well Diameter	2"
Depth to Water (ft)	16.87	Est. Purge Volume:	8

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:23	10:24	10:25	10:26	10:27	10:28	10:30
EC	1260	1280	1280	1270	1280	1270	1290
pH	6.16	6.09	6.06	6.11	6.12	6.09	6.11
Temp	21.3	21.1	21.1	20.9	20.8	20.7	20.6
Gal.	1	2	3	4	5	6	8

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection		TIME:	13:00	AM/PM
Depth to Water (ft.)	19.40	Total Well Depth(ft).	29.13	

APPENDIX B

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

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

LAB REQUEST 81857
REPORTED 11/05/2001
RECEIVED 10/19/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS Added 8260 MTBE to 300532-533 per DR 10-25-01 AV

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
300530	TOC #063, MW-6
300531	TOC #063, MW-1
300532	TOC #063, MW-5
300533	TOC #063, MW-4
300534	TOC #063, TRIP BLANK

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 300530 **Clie Sample ID** TOC #063, MW-6
Matrix: WATER **Date Sampled:** 10/17/2001 **Time Sampled:** 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/24/01 HP
Toluene	ND	1	0.3	0.14	ug/L	10/24/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/24/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/24/01 HP

Order #: 300531 **Client Sample ID** TOC #063, MW-1
Matrix: WATER **Date Sampled:** 10/17/2001 **Time Sampled:** 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/24/01 HP
Toluene	ND	1	0.3	0.14	ug/L	10/24/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/24/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/24/01 HP

Order #: 300532 **Client Sample ID** TOC #063, MW-5
Matrix: WATER **Date Sampled:** 10/17/2001 **Time Sampled:** 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/24/01 HP
Methyl t - butyl ether	16	1	5	0.24	ug/L	10/24/01 HP
Toluene	ND	1	0.3	0.14	ug/L	10/24/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/24/01 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	5.2	1	1	0.6	ug/L	10/29/01 MB

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	10/24/01	HP

Order #: 300533 **Client Sample ID** TOC #063, MW-4
Matrix: WATER **Date Sampled:** 10/17/2001 **Time Sampled:** 13:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8021B BTEX + MTBE							
Benzene	1,950	33	9.9	0.18	ug/L	10/24/01	HP
Ethyl benzene	ND	33	9.9	0.18	ug/L	10/24/01	HP
Methyl t - butyl ether	829	33	165.0	0.24	ug/L	10/24/01	HP
Toluene	425	33	9.9	0.14	ug/L	10/24/01	HP
Xylene (total)	1,110	33	19.8	0.26	ug/L	10/24/01	HP
8260B BTEX/MTBE Only							
Methyl-tert-butylether (MTBE)	329	1	1	0.6	ug/L	10/29/01	MB
8015M - Total Petroleum Hydrocarbons							
Gasoline	13,500	33	1650.0	50	ug/L	10/24/01	HP

Order #: 300534 **Client Sample ID** TOC #063, TRIP BLANK
Matrix: WATER **Date Sampled:** 10/17/2001 **Time Sampled:** 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8021B BTEX + MTBE							
Benzene	ND	1	0.3	0.18	ug/L	10/24/01	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/24/01	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/24/01	HP
Toluene	ND	1	0.3	0.14	ug/L	10/24/01	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	10/24/01	HP
8015M - Total Petroleum Hydrocarbons							
Gasoline	ND	1	50	50	ug/L	10/24/01	HP

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED L ' 3ORATORIES LAB REQUEST RF ' 'LTS SUMMARY

Client: Thrifty Oil
Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

Lab Request: 81857
Date Received: 10/19/2001
Print Date: 11/05/2001

Project: Station #063
6125 Telegraph Ave., Oakland

Objectives: *Confirm MTBE by 8260 if detectable.

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE	MTBE by EPA8260
TOC #063, MW-1	ND	ND	ND	ND	ND	ND	
TOC #063, MW-4	13,500 ug/L	1,950 ug/L	425 ug/L	ND	1,110 ug/L	829 ug/L	329 ug/L
TOC #063, MW-5	ND	ND	ND	ND	ND	16 ug/L	5.2 ug/L
TOC #063, MW-6	ND	ND	ND	ND	ND	ND	
TOC #063, TRIP BLANK	ND	ND	ND	ND	ND	ND	

ND = Not Detected
Blank Field = Component not analyzed by this method.

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 81771-189

Matrix: WATER

Prep. Date: 10/23/01

Analysis Date: 10/23/01 - 10/24/01

ID#'s in Batch: LR 81857, 81827, 81830

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = ug/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	ND	200	206	201	103.0	100.5	2.5

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK					
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	218	200	109.0	80%	120%

LCS Result = Lab Control Sample Result
True = True Value of LCS
L Limit / H.Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	70-130
QA Sample	88
MS	95
MSD	97
Method Blank	106
LCS	95

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 81771-189

Matrix: WATER

Prep. Date: 10/24/01

Analysis Date: 10/24/01 - 10/25/01

LAB ID#'s in Batch: LR 81858, 81857

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = ug/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD
Benzene	8021	ND	10.0	9.1	8.9	91	89	2
Toluene	8021	ND	10.0	9.0	8.8	90	88	2
Ethylbenzene	8021	ND	10.0	10.5	10.3	105	103	2
Xylenes	8021	ND	20.0	17.8	17.7	89	89	1

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
Benzene	8021	ND	8.9	10.0	89	80%	120%
Toluene	8021	ND	9.0	10.0	90	80%	120%
Ethylbenzene	8021	ND	10.7	10.0	107	80%	120%
Xylenes	8021	ND	17.9	20.0	90	80%	120%

LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	70-130
QA Sample	88
MS	85
MSD	85
Method Blank	82
LCS	86

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 81827-432

Method : 8260 / 624 / 524.2

Analysis Date: 10/29/01

Applies to: LR 81815, 81857

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	37.71	35.15	75	70	7	22	59-172
MTBE	ND	50	48.06	49.62	96	99	3	24	62-137
Benzene	ND	50	46.87	49.84	94	100	6	24	62-137
Trichloroethene	ND	50	48.21	53.54	96	107	10	21	66-142
Toluene	ND	50	64.43	66.04	129	132	2	21	59-139
Chlorobenzene	ND	50	53.70	56.41	107	113	5	21	60-133

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	% RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	34.54	35.95	69	72	4	22	59-172
MTBE	ND	50	47.26	47.89	95	96	1	24	62-137
Benzene	ND	50	45.88	47.04	92	94	2	24	62-137
Trichloroethene	ND	50	47.40	49.44	95	99	4	21	66-142
Toluene	ND	50	61.97	65.33	124	131	5	21	59-139
Chlorobenzene	ND	50	52.09	54.53	104	109	5	21	60-133

Method Blank = All ND

SURROGATE RECOVERIES

	QC Limit	BLANK	LCS	LCSD	MS	MSD
1,2-Dichloroethane-d4	80-140	104	102	97	98	101
Dibromofluoromethane	70-130	86	93	91	91	88
Toluene-d8	80-140	118	122	127	126	125
p-Bromofluorobenzene	70-130	120	111	110	111	109

FedEx

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company	THRIFTY OIL CO	Phone	(562) 921-3580
Project Manager	JEFF DURYAHOUMT	Fax	(562) 921-7519
Project Name	Q.W.S.	Project #	063
Site Name and Address	6121 TELEGRAPH AVE. OAKLAND, CA. 94609	A.L. Job No.	81857

Page _____ of _____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH	TBTEX	MTBE	Test Instructions & Comments
1	MW 6		10.17-01	13:00	H_2O	3 VOA	HCL	X	X	X	CONFIRM MTBE BY 8260B, IF DETECTED.
2	MW 1		"	13:00	"	"	"	X	X	X	
3	MW 5		"	13:20	"	"	"	X	X	X	
4	MW 4		"	13:30	"	"	"	X	X	X	
5	TRIP BLANK		"	13:00	"	"	"	X	X		
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	14	Properly Cooled Y / N / NA	Y
Custody Seals Y / N / NA	Y	Samples Intact Y / N / NA	Y
Received in Good Condition Y / N	Y	Samples Accepted Y / N	Y

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	Relinquished by Sampler: 1.	Relinquished by FEDEX 2.	Relinquished by 3.
Signature:			
Printed Name:	SERRATO POPOCA		
Date: / Time:	10.18.01 / 16:30		
	Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:			
Printed Name:	FEDEX	DUONG VU	
Date: / Time:		10/19 / 9:40	

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

APPENDIX C

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 12-31-01

OBSERVATIONS AND COMMENTS: CHANGE OIL, CLEAN WATER FILTER, REPLACE CARTRIDGE WATER FILTER, CHECK BELT,

FLOW METER READING: -0674080-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.8

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: JERRY POPESCU

DATE OF INSPECTION: 12-24-01

OBSERVATIONS AND COMMENTS: CHANGE OIL, CLEAN WATER FILTER BAG, CHECK BELT, HOSSES CONNECTIONS, CARBON DRUMS (FOR LEAKING)

FLOW METER READING: -0667880-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.8

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBO DOPPERSON

DATE OF INSPECTION: 12-17-01

OBSERVATIONS AND COMMENTS: Check oil, belt, hoses, replace cartrige water filter, clean water filter bag.

FLOW METER READING: 0662270

SAMPLES OBTAINED: H/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.7

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: S Dopperson

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

NAME OF INSPECTOR: SERBANOPESCU

DATE OF INSPECTION: 12-10-01

OBSERVATIONS AND COMMENTS: Add oil, replace cartrige water filter, clean water filter bag, check hoses, belt, drums

FLOW METER READING: - 0642480 -

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: S Serbanopescu

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBANOPESCU,

DATE OF INSPECTION: 12.03.01

OBSERVATIONS AND COMMENTS: I find the system shut down?? Some body play with the switch from panel - check oil, belt, replace cartrige water filter,

FLOW METER READING: - 0651420 -

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.8

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

63

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-26-01

OBSERVATIONS AND COMMENTS: System was shut down because by mistake, somebody turn off the switch from the electric box when they do some work. I put one sign to remember about that--

FLOW METER READING: -064561-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: [signature]

(063)

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-29-01

OBSERVATIONS AND COMMENTS: Add oil, clean water filter bag, replace cartrige water filter, clean

FLOW METER READING: 0641310

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.8

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

063

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-12-01

OBSERVATIONS AND COMMENTS: Add oil, check belt, replace cartige water filter, clean water filter bag,

FLOW METER READING: 0636260

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.8

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-05-01

OBSERVATIONS AND COMMENTS: Added oil, check belt, hoses connections replace cartige water filter, clean water bag.

FLOW METER READING: -058474-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 10-29-01

OBSERVATIONS AND COMMENTS: Add oil, replace cartrige water filter clean water filter bag, check belt, hoses,

FLOW METER READING: -0573610-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 10-22-01

OBSERVATIONS AND COMMENTS: Restart system, change oil for compressor, check hoses, clean pumps from MW 3

FLOW METER READING: 050274

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 0

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 0

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBA POPESCU

DATE OF INSPECTION: 10-22-01

OBSERVATIONS AND COMMENTS: Restart system, change oil for compressor, check hoses, clean pumps from MW 3

FLOW METER READING: 050274

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 0

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 0

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 10-29-01

OBSERVATIONS AND COMMENTS: Add oil, replace cartrige water filter clean water filter bag, check belt, hoses,

FLOW METER READING: -057-3610-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: S. Popescu

THRIFTY OIL CO. SERVICE STATION # 063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBALOPEZ W

DATE OF INSPECTION: 10-16-01

OBSERVATIONS AND COMMENTS: System shut down for R.W.S.

FLOW METER READING: 0502790

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: —

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: —

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT:

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:

INSPECTOR'S SIGNATURE:

063

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBANPOPESCU

DATE OF INSPECTION: 10-08-01

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

FLOW METER READING: -0494850-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN PODESCU

DATE OF INSPECTION: 10-01-01

OBSERVATIONS AND COMMENTS: Add oil, clean water filter bag, replace cartige water filter, check belt, hoses

FLOW METER READING: -0482310-

SAMPLES OBTAINED: yes, system water sampling

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.6

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 09.24.01

OBSERVATIONS AND COMMENTS: Add oil, clean water filter bag, re-place cartrige water filter, check belt,

FLOW METER READING: 0451240

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: [signature]

APPENDIX D

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

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

LAB REQUEST 80922
REPORTED 10/11/2001
RECEIVED 10/04/2001

PROJECT Station #063

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
296717	TOC #063, SS#1 Outlet
296718	TOC #063, INT-1
296719	TOC #063, INT-2
296720	TOC #063, INT-3
296721	TOC #063, INLET

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 296717 **Clie Sample ID** TOC #063, SS#1 Outlet
Matrix: WATER **Date Sampled:** 10/01/2001 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/07/01 LB
Toluene	ND	1	0.3	0.14	ug/L	10/07/01 LB
Xylene (total)	ND	1	0.6	0.26	ug/L	10/07/01 LB
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/07/01 LB

Order #: 296718 **Client Sample ID** TOC #063, INT-1
Matrix: WATER **Date Sampled:** 10/01/2001 **Time Sampled:** 09:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Methyl t - butyl ether	ND	1	5	0.24	ug/L	10/07/01 LB
Toluene	ND	1	0.3	0.14	ug/L	10/07/01 LB
Xylene (total)	ND	1	0.6	0.26	ug/L	10/07/01 LB
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	10/07/01 LB

Order #: 296719 **Client Sample ID** TOC #063, INT-2
Matrix: WATER **Date Sampled:** 10/01/2001 **Time Sampled:** 09:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Methyl t - butyl ether	127	1	5.0	0.24	ug/L	10/07/01 LB
Toluene	ND	1	0.3	0.14	ug/L	10/07/01 LB
Xylene (total)	ND	1	0.6	0.26	ug/L	10/07/01 LB
8015M - Total Petroleum Hydrocarbons						
Gasoline	60	1	50	50	ug/L	10/07/01 LB

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 296720 **Client Sample ID** TOC #063, INT-3
Matrix: WATER **Date Sampled:** 10/01/2001 **Time Sampled:** 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	15	1	0.3	0.18	ug/L	10/07/01 LB
Ethyl benzene	0.95	1	0.3	0.18	ug/L	10/07/01 LB
Methyl t - butyl ether	2,620	20	100.0	0.24	ug/L	10/07/01 LB
Toluene	ND	1	0.3	0.14	ug/L	10/07/01 LB
Xylene (total)	ND	1	0.6	0.26	ug/L	10/07/01 LB
8015M - Total Petroleum Hydrocarbons						
Gasoline	1,220	1	100	50	ug/L	10/07/01 LB

Order #: 296721 **Client Sample ID** TOC #063, INLET
Matrix: WATER **Date Sampled:** 10/01/2001 **Time Sampled:** 09:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	1.2	1	0.3	0.18	ug/L	10/07/01 LB
Ethyl benzene	ND	1	0.3	0.18	ug/L	10/07/01 LB
Methyl t - butyl ether	878	20	100.0	0.24	ug/L	10/07/01 LB
Toluene	ND	1	0.3	0.14	ug/L	10/07/01 LB
Xylene (total)	ND	1	0.6	0.26	ug/L	10/07/01 LB
8015M - Total Petroleum Hydrocarbons						
Gasoline	956	1	100	50	ug/L	10/07/01 LB

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 80922-717

Matrix: WATER

Prep. Date: 10/06/01

Analysis Date: 10/07/01

LAB ID#'s in Batch: LR 80530, 80925, 80922, 80975

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = ug/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD
Benzene	8021	ND	10.0	10.3	10.2	103	102	1
Toluene	8021	ND	10.0	10.3	10.4	103	104	1
Ethylbenzene	8021	ND	10.0	11.4	11.5	114	115	1
Xylenes	8021	ND	20.0	20.7	21.5	104	108	4

ND = Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK Value	LCS Result	True	%Rec	L.Limit	H.Limit
Benzene	8021	ND	10.4	10.0	104	80%	120%
Toluene	8021	ND	10.5	10.0	105	80%	120%
Ethylbenzene	8021	ND	11.4	10.0	114	80%	120%
Xylenes	8021	ND	20.4	20.0	102	80%	120%

LCS = Lab Control Sample Result
TRUE = True Value of LCS
L LIMIT / H LIMIT = LCS Control Limits

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	70-130
MS	101
MSD	98
Method Blank	100
LCS	103
LCSD	104

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 80925-727

Matrix: WATER

Prep. Date: 10/06/01

Analysis Date: 10/07/01

ID#'s in Batch: LR 80530, 80925, 80922, 80975

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = ug/L

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	ND	200	149	140	74 5	70 0	6.2

ND Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK Value	Result	True	%Rec	L.Limit	H.Limit
LCS	ND	173	200	86.5	80%	120%
LCSD	ND	206	200	103 0	80%	120%

LCS Result = Lab Control Sample Result
True True Value of LCS
L Limit H Limit = LCS Control Limits

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	70-130
MS	101
MSD	101
Method Blank	100
LCS	104
LCSD	117

AAA-TFT a a a-Trifluorotoluene

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company THRIFTY OIL CO — Phone (562) 921-3581
Project Manager JEFF SURYAKUSUMA — Fax (562) 921-7510
Project Name System water sampling — Project # 063
Site Name and Address # 063

A.L. Job No. 8022 — Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH	BTEX	MTBE	Test Instructions & Comments
1	SS#1/OUTLET		10.01.01	9:00	H_2O	3 VOA	HCL	X	X	X	-GRAB SAMPLE-
2	INT-1			9:10				X	X	X	
3	INT-2			9:20				X	X	X	
4	INT-3			9:30				X	X	X	
5	INLET			9:40				X	X	X	
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	5	Properly Cooled Y / N / NA	Y
Custody Seals Y / N / NA	Y	Samples Intact Y / N / NA	Y
Received in Good Condition Y / N	Y	Samples Accepted Y / N	Y

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by FEDEX 2.	Relinquished by 3.
Signature:	Signature:	Signature:
Printed Name: SERBAN POPESCU	Printed Name:	Printed Name:
Date: 10-03-01 Time: 16:30	Date: Time:	Date: Time:
Received By: FEDEX 1.	**Received By:** 2. 10-4 11:30	**Received By:** 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name: DUONG	Printed Name:
Date: Time:	Date: 10/4 Time: 9:30 am	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator