THRIFTY OIL CO.

July 12, 2001

R005 O.16842

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

JUL 17 2001

RE: **Thrifty Oil Co. Station #063**
6125 Telegraph Avenue
Oakland, CA 94609
2nd Quarter 2001, Status Report

Dear Ms. Hugo:

Presented herewith is the Second 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,

Chris Panaitescu
General Manager
Environmental Affairs

cc: ARCO Products Company
File

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

THRIFTY OIL CO.

July 10, 2001

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**
6125 Telegraph Avenue
Oakland, CA
2nd Quarter 2001, Status Report

Dear Ms. Hugo:

Presented herein is the Second 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 Second 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 occurs under water table conditions beneath the station at depths ranging from 9.65 feet below surface grade (bsg) in monitoring well MW-6 to 12.26 feet bsg in monitoring well MW-4 on April 23, 2001 (**Appendix A**). A groundwater elevation contour map based on the April 23, 2001 data is presented in **Figure 2**. The groundwater is flow is toward the west with a gradient of approximately 0.04 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 April 23, 2001. Well MW-3 was sampled on April 23, 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 also analyzed 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 laboratory analytical results are plotted on **Figures 3, 4, and 5**, respectively. Laboratory results indicate the highest concentrations of TPH-g and benzene were in monitoring well MW-1, with concentrations of 18,100

ug/L and 740 ug/L, respectively. The highest concentration of MTBE was in well MW-3 with a concentration of 3,240 ug/L. The isoconcentration maps incorporate data from the treatment system influent, due to the fact the groundwater is pumped solely from well MW-3.

Remediation Status

Site remedial activities were initiated in April 1991. Presently, the remediation system consists of a Groundwater Treatment System with carbon connected to groundwater monitoring well MW-3. System operational data is included in **Table 2** and **Appendix C**. During this reporting period, the groundwater treatment system processed approximately 109,900 gallons of groundwater (from March 26 through June 25), and has treated approximately 1,112,619 gallons of groundwater since start up (through June 25, 2001). The system was shut down from April 13 through April 18, and May 2 through May 18, 2001 for carbon changeouts. The system operated throughout the rest of the second quarter 2001.

Influent, intermediate, and effluent water samples were collected on April 9, April 23, and May 30, 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. Outlet samples collected on April 9, 2001 indicate concentrations of 378 ug/L and 475 ug/L for TPH-g and MTBE, respectively. Another set of outlet samples collected on April 23, 2001 indicated 93 ug/L TPH-g and 132 ug/L MTBE. Due to these concentrations, the carbon was changed out as noted above. All laboratory results for effluent samples collected on May 30, 2001 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

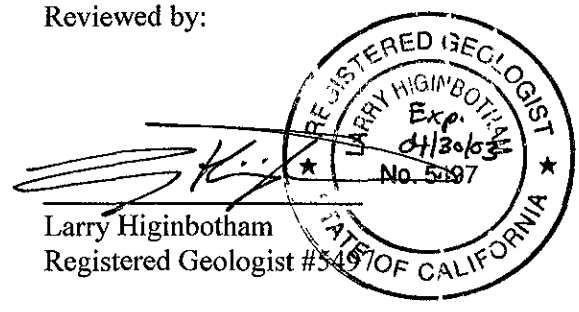
The groundwater monitoring wells, and the treatment unit, will be monitored and sampled for the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the Third Quarter 2001 monitoring report.

Interpretations expressed herein are based upon data collected be EMC.

Written by:

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

Reviewed by:



Larry Higinbotham
Registered Geologist #5197

FIGURES

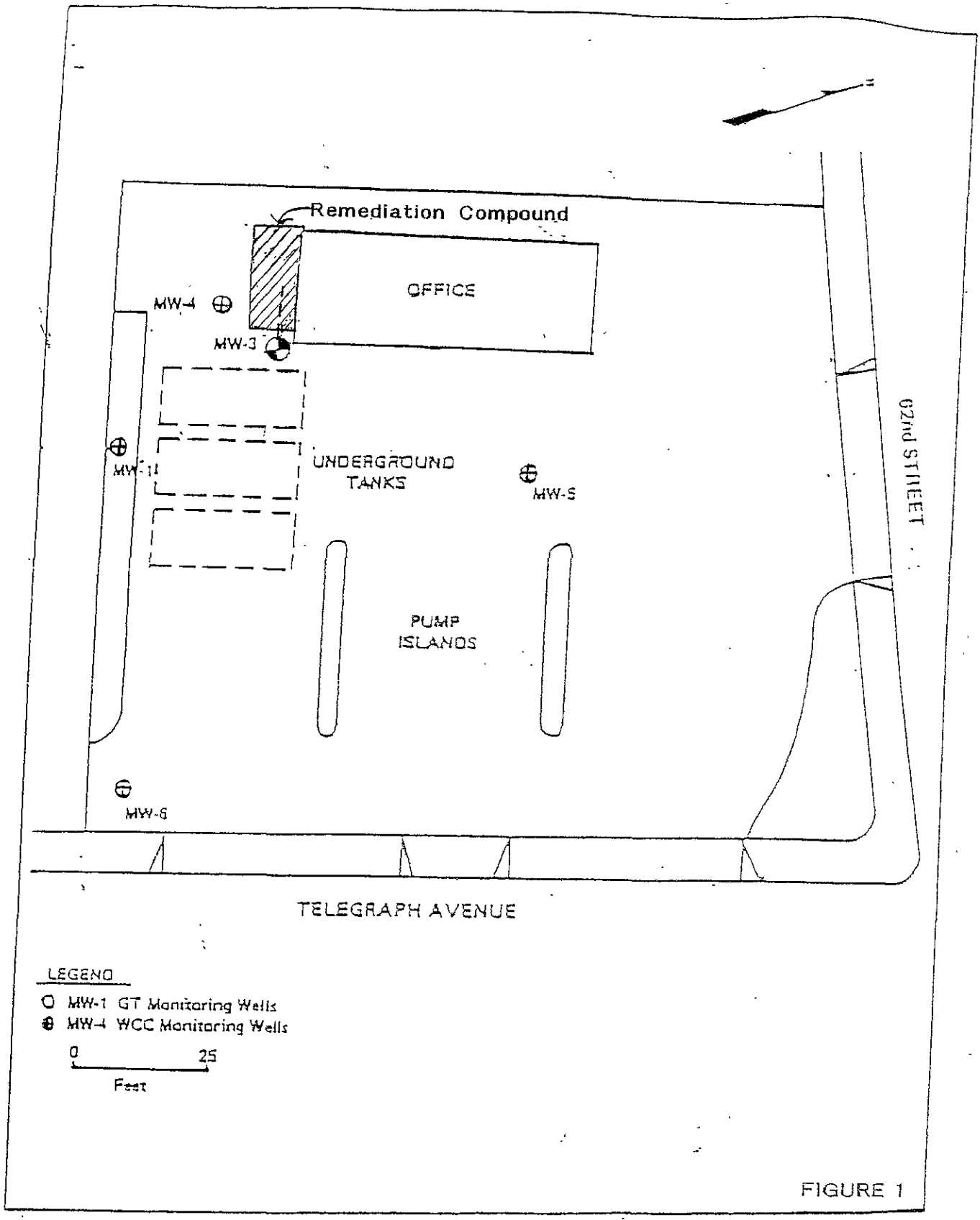
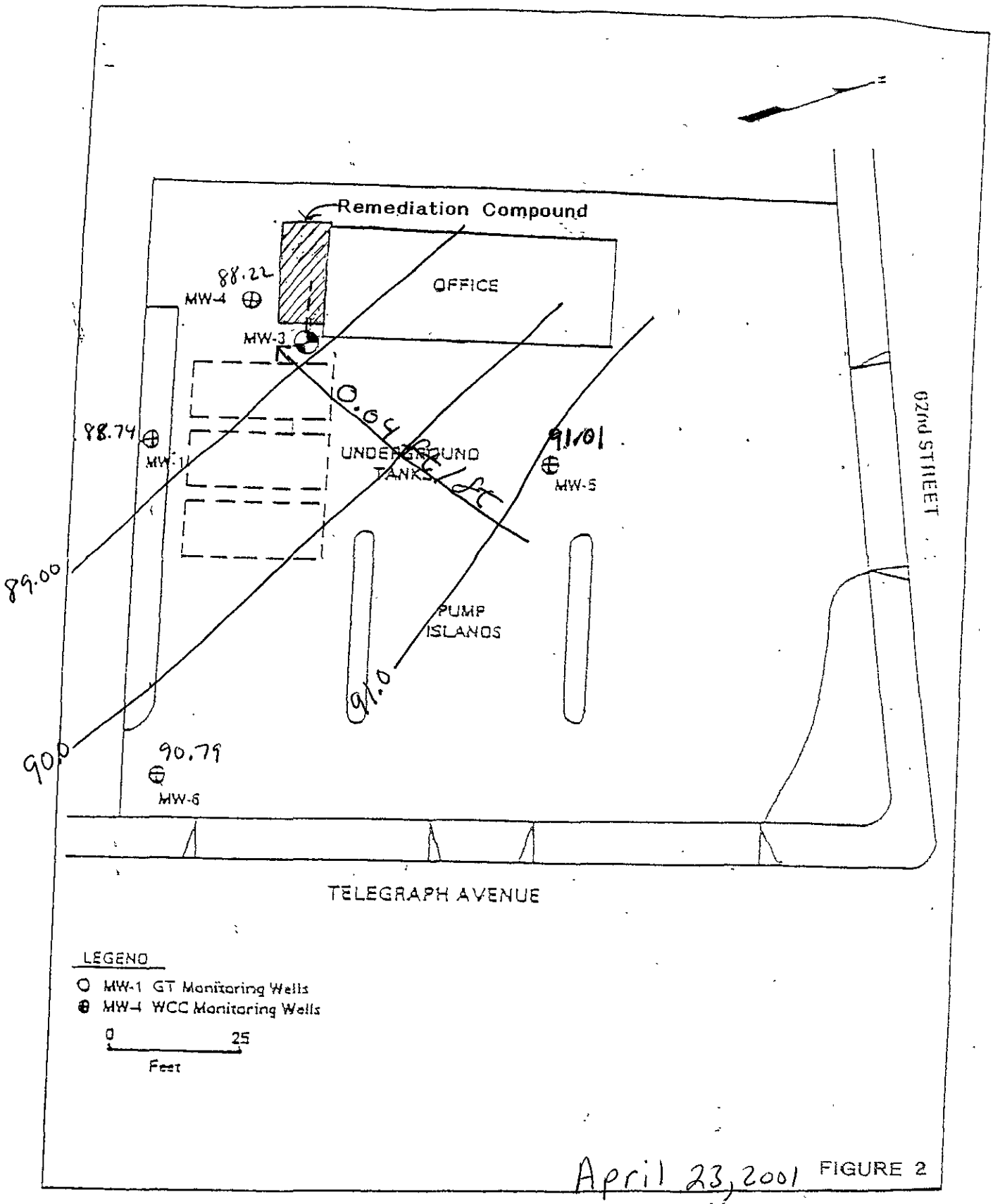


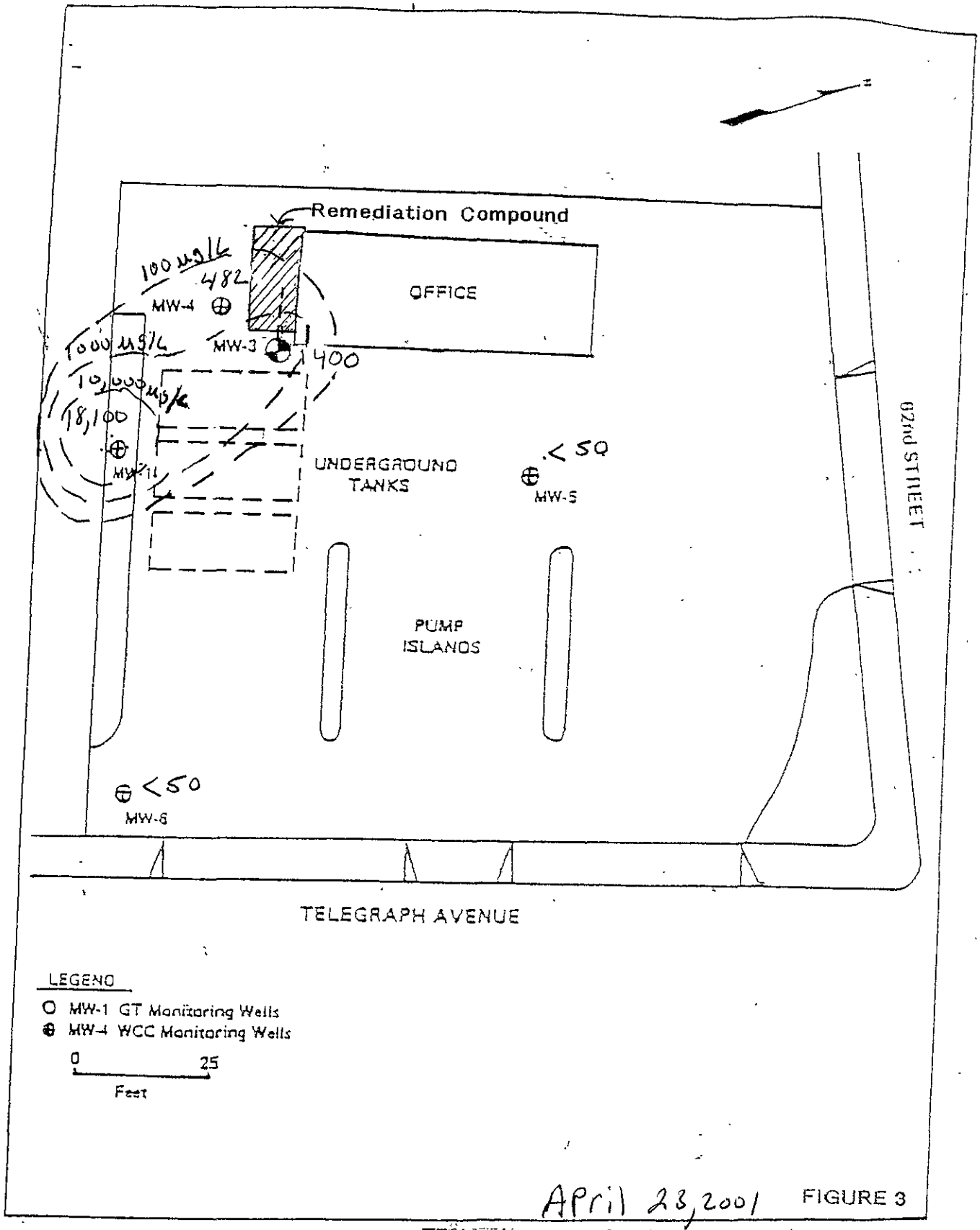
FIGURE 1

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



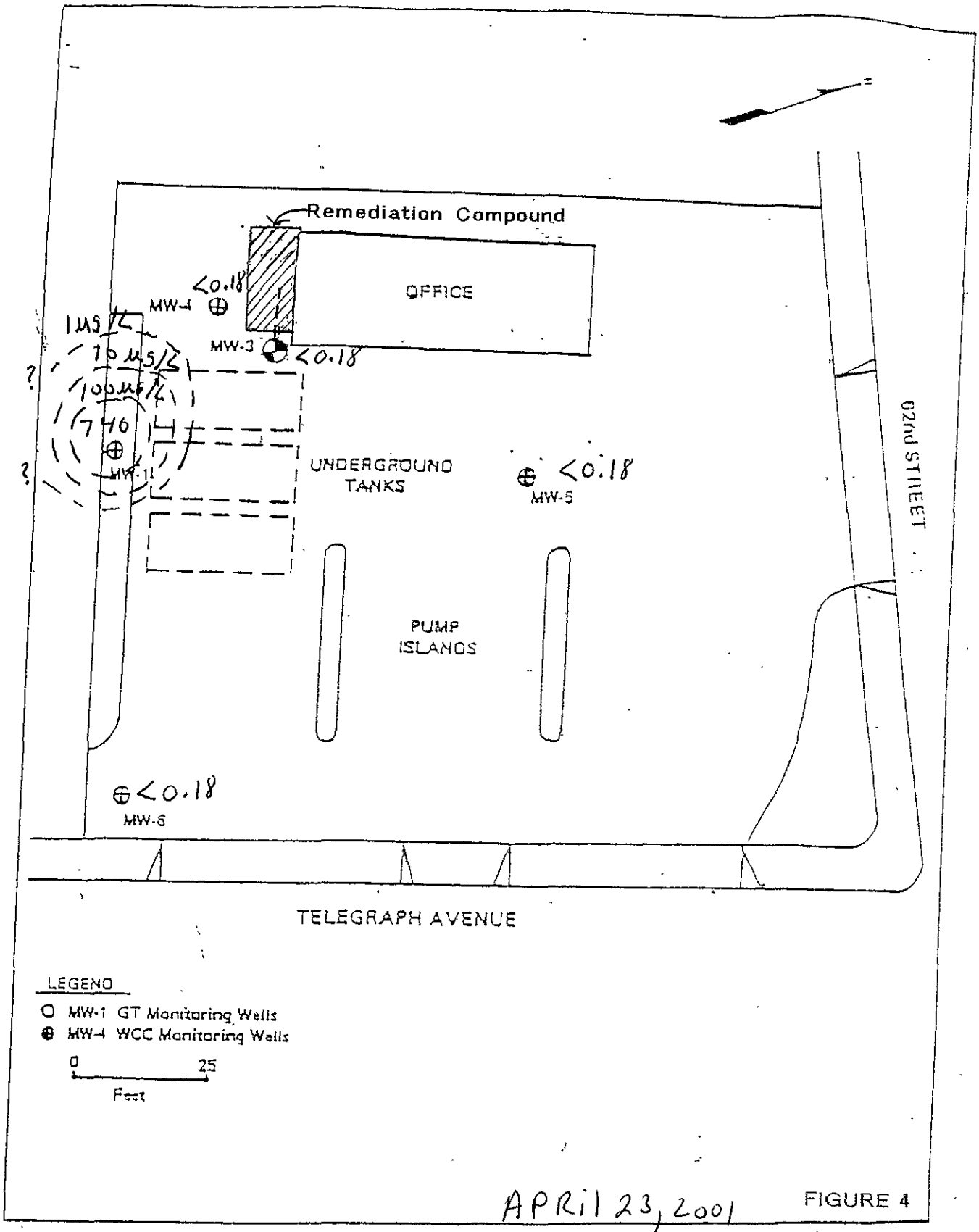
April 23, 2001 FIGURE 2

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



April 23, 2001 FIGURE 3

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

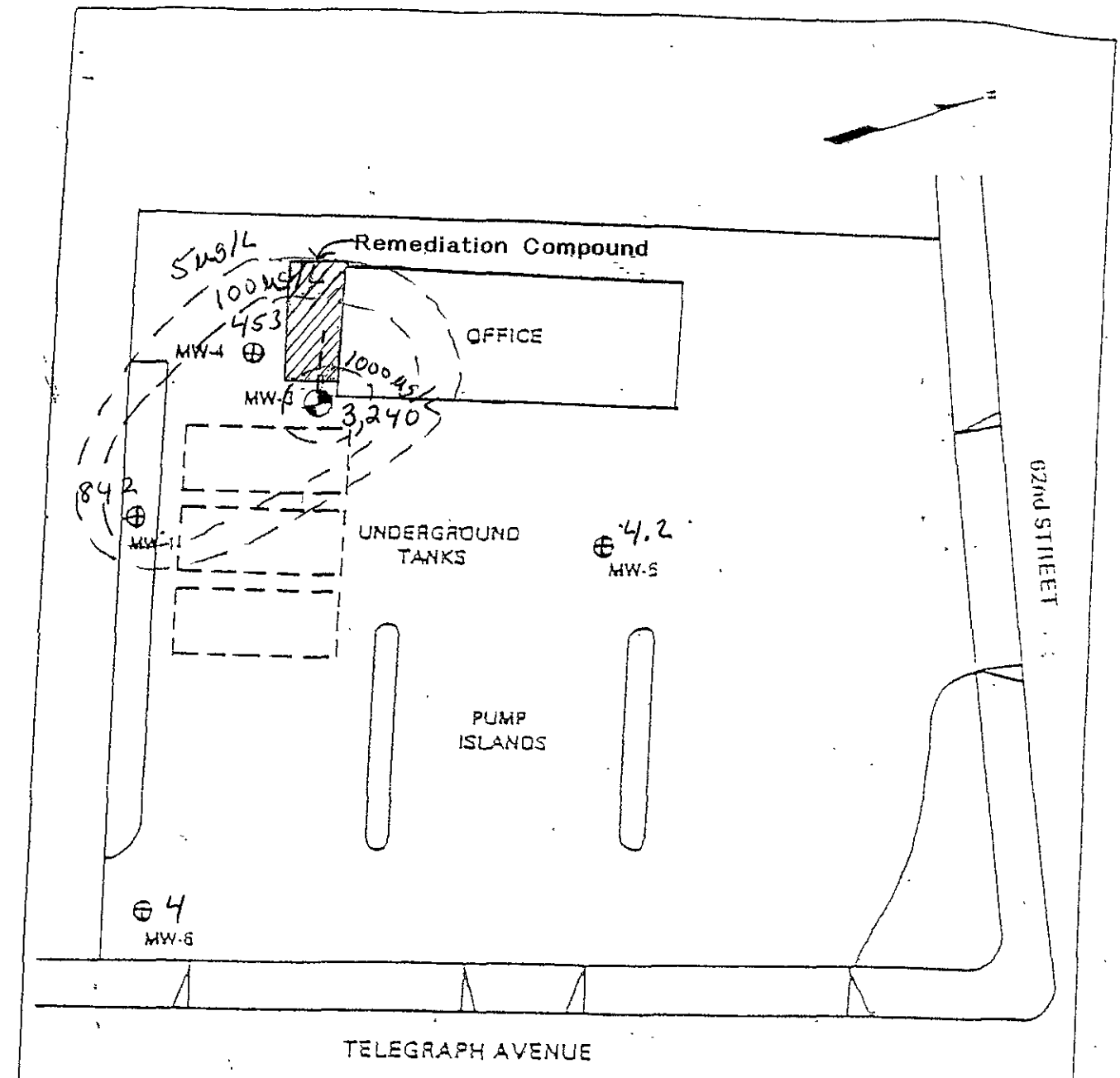


APRIL 23, 2001

FIGURE 4

Benzene Isoconcentration Map ug/L

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



APRIL 23, 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
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
03/24/92	-	-	-	-	-	-	15.60	NP	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	25.10	FILM	0.00	99.76	74.66

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)					
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	-	-	-	-	-	-	-	-	-	-	-
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

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)					
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
04/23/01	482	<0.18	<0 14	<0.18	<0.26	*875 / 453	12.26	NP	0.00	100 48	88.22
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

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)					
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
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

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-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
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

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)					

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	366,913	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	-	-	-	-	-	-	-	-	-	-	-	-
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

SITE: THRIFTY OIL CO. #063
ADDR: 6125 TELEGRAPH AVENUE
OAKLAND, CA. 94609
DATE: 04.23.01
PERSON: SERBAN P.

OBSERVATION WELLS

WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	DIA (IN)	PURGE (GAL)	ODOR Y	ODOR N	ODOR S	FP Y	FP N	COMMENT
MONTHLY												
MW-1		10.60	29.00		2"			X			X	
MW-2												
MW-3		system	28.24		6"			X			X	
MW-4		12.26	29.13		2"			X			X	
MW-5		10.97	26.28		4"			X			X	
MW-6		9.65	26.87		4"			X			X	

FREE PRODUCT REMOVED: APPROX ____ GALLONS

WATER REMOVED: APPROX ____ GALLONS

REMARKS: MW 2 IS ABANDONED

EXPLANATION:

DTP= DEPTH TO PRODUCT FROM TOP OF CASING, DTW= DEPTH TO WATER FROM TOP OF CASING
DTB= DEPTH TO BOTTOM FROM TOP OF CASING, PT= PRODUCT THICKNESS, S= SLIGHT

13415 Carmenita Road/P.O. Box 2129, Santa Fe Springs, CA 90670 • (562) 923-9876 Fax (562) 861-9796

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	04.23.01
Address:			
Personnel:	SERBAN P.	Weather:	SUNNY DAY
Well No:	MW-1	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	29.00	Well Diameter	2"
Depth to Water (ft)	10.60	Est. Purge Volume:	12

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:09	10:11	10:13	10:14	10:16	10:18	10:20
EC	1890	1920	1900	1840	1900	1900	1920
pH	6.09	6.06	6.12	6.18	6.18	6.06	6.12
Temp	21.3	21.3	21.1	20.9	20.9	20.7	20.7
Gal.	1	3	5	6	8	10	12

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	12.30	Total Well Depth(ft).	29.00

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	04.23.01
Address:			
Personnel:	SERBAN P.	Weather:	SUNNY DAY
Well No:	MW-4	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	29.13	Well Diameter	2"
Depth to Water (ft)	12.26	Est. Purge Volume:	11

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:30	10:32	10:33	10:35	10:36	10:38	10:40
EC	1460	1480	1480	1470	1480	1460	1470
pH	6.09	6.06	6.12	6.15	6.12	6.15	6.12
Temp	21.4	21.3	21.3	20.9	20.8	20.7	20.7
Gal.	1	3	4	6	7	9	11

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	14.32	Total Well Depth(ft).	29.13

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	#063	Date:	04-23-01
Address:			
Personnel:	BERBAR P.	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.28	Well Diameter	4"
Depth to Water (ft)	10.97	Est. Purge Volume:	40

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:25	9:31	9:37	9:42	9:48	9:54	10:00
EC	1560	1540	1520	1530	1540	1530	1540
pH	5.93	5.94	5.91	5.93	5.90	5.92	5.90
Temp	21.4	21.3	21.3	21.2	21.1	21.1	20.9
Gal.	5	11	17	22	28	34	40
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	13.20	Total Well Depth(ft).	26.28

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	#063	Date:	04.23-01
Address:			
Personnel:	SERBANT	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	26.87	Well Diameter	4
Depth to Water (ft)	9.65	Est. Purge Volume:	45

Sampling Data:

Initial Turbidity:				Final Turbidity:			
Time	8:23	8:29	8:36	8:40	8:47	8:53	9:00
EC	1650	1660	1630	1630	1660	1680	1670
pH	5.93	5.90	5.94	5.93	5.94	5.92	5.93
Temp	21.3	21.2	21.0	20.9	20.7	20.8	20.8
Gal.	6	12	19	25	32	38	45
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	11.32	Total Well Depth(ft).	26.87

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 71577
REPORTED 05/15/2001
RECEIVED 04/24/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

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
260307	TOC #063, MW-6
260308	TOC #063, MW-5
260309	TOC #063, MW-1
260310	TOC #063, MW-4
260311	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 #: 260307 **Client Sample ID** TOC #063, MW-6
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Methyl t - butyl ether	9.0	1	5	0.24	ug/L	04/26/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	4.0	1	1	0.6	ug/L	05/15/01 MB
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	04/26/01 HP

Order #: 260308 **Client Sample ID** TOC #063, MW-5
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Methyl t - butyl ether	10	1	5	0.24	ug/L	04/26/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	4.2	1	1	0.6	ug/L	05/15/01 MB
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	04/26/01 HP

Order #: 260309 **Client Sample ID** TOC #063, MW-1
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 13:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst

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

8021B BTEX + MTBE

Benzene	740	100	30.0	0.18	ug/L	04/26/01	HP
Ethyl benzene	650	100	30.0	0.18	ug/L	04/26/01	HP
Methyl t - butyl ether	1,850	100	500.0	0.24	ug/L	04/26/01	HP
Toluene	55	1	0.3	0.14	ug/L	04/26/01	HP
Xylene (total)	4,000	100	60.0	0.26	ug/L	04/26/01	HP

8260B BTEX/MTBE Only

Methyl-tert-butylether (MTBE)	842	10	10.0	0.6	ug/L	05/15/01	MB

8015M - Total Petroleum Hydrocarbons

Gasoline	18,100	100	5000.0	50	ug/L	04/26/01	HP

Order #: 260310 **Client Sample ID** TOC #063, MW-4
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8021B BTEX + MTBE							
Benzene	ND	1	0.3	0.18	ug/L	04/26/01	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01	HP
Methyl t - butyl ether	875	50	250.0	0.24	ug/L	04/26/01	HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01	HP
8260B BTEX/MTBE Only							
Methyl-tert-butylether (MTBE)	453	10	10.0	0.6	ug/L	05/15/01	MB
8015M - Total Petroleum Hydrocarbons							
Gasoline	482	1	50	50	ug/L	04/26/01	HP

Order #: 260311 **Client Sample ID** TOC #063, Trip Blank
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8021B BTEX + MTBE							
Benzene	ND	1	0.3	0.18	ug/L	04/26/01	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	04/26/01	HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01	HP

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	04/26/01	HP

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

ASSOCIATED LABORATORIES LAB REQUEST RESULTS SUMMARY

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

Lab Request: 71577
Date Received: 4/24/2001
Print Date: 05/15/2001

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	18.100 ug/L	740 ug/L	55 ug/L	650 ug/L	4,000 ug/L	1,850 ug/L	842 ug/L
TOC #063, MW-4	482 ug/L	ND	ND	ND	ND	875 ug/L	453 ug/L
TOC #063, MW-5	ND	ND	ND	ND	ND	10 ug/L	4.2 ug/L
TOC #063, MW-6	ND	ND	ND	ND	ND	9.0 ug/L	4.0 ug/L
TOC #063, Trip Blank	ND	ND	ND	ND	ND	ND	

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS / LCSD , water samples

Method : 8260

Analysis Date: 05/15/01

Applies to: LR 71577

REPORTING UNITS = ug/L

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	50.0	32.73	29.53	65	59	10	22	59-172
MTBE	ND	50.0	41.37	40.57	83	81	2	24	62-137
Benzene	ND	50.0	34.67	33.04	69	66	5	24	62-137
Trichloroethene	ND	50.0	39.44	40.06	79	80	2	21	66-142
Toluene	ND	50.0	43.61	41.27	87	83	6	21	59-139
Chlorobenzene	ND	50.0	37.24	39.14	74	78	5	21	60-133

ND = Not Detected
RPD = Relative Percent Difference of LCS and LCS Dup.
%REC-MS & MSD = Percent Recovery of LCS & LCS Dup.

Method Blank = All ND

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 71439 - 885

Matrix: WATER

Prep. Date: 04/24/01

Analysis Date: 04/24/01 - 04/25/01

LAB ID#'s in Batch: LR 71364, 71429, 71525, 71577

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	10.5	10.9	105	109	4
Toluene	8021	ND	10.0	9.3	9.6	93	96	3
Ethylbenzene	8021	ND	10.0	9.9	10.1	99	101	2
Xylenes	8021	ND	20.0	18.3	18.8	92	94	3

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	10.8	10.0	108	80%	120%
Toluene	8021	ND	9.6	10.0	96	80%	120%
Ethylbenzene	8021	ND	10.0	10.0	100	80%	120%
Xylenes	8021	ND	18.8	20.0	94	80%	120%

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 71451 - 930

Matrix: WATER

Prep. Date: 04/24/01

Analysis Date: 04/24/01-04/25/01

ID#'s in Batch: LR 71451, 71525, 71577, 71532, 71527

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	179	179	89.5	89.5	0.0

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	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	178	200	89.0	80%	120%

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

Chain of Custody Record

7157

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 SUPYANEWSUMA Fax
Project Name Q.W.3. Project # #063
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA. 94609

A.L. Job No. Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH	BTEX	MTBE*	Test Instructions & Comments
1	MW-6		04.23.01	13:00	WATER	3 VIALS	HCL	X	X	X	*CONFIRM BY EPA
2	MW-5		"	13:10	"	3 VIALS	HCL	X	X	X	METHOD 8260B
3	MW-1		"	13:15	"	3 VIALS	HCL	X	X	X	IF DETECTED—
4	MW-4		"	13:20	"	3 VIALS	HCL	X	X	X	
5	TRIP BLANK		"	13:00	"	2 VIALS	HCL	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	N/A	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 2.	Relinquished by 3.
Signature:	[signature]		
Printed Name:	JEFF SUPYANEWSUMA		
Date: / Time:	04.23.01		
	Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:	[signature]	[signature]	
Printed Name:	DANILO		
Date: / Time:	4/24/01 10:03	4-25 8:00	

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

APPENDIX C

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: 06.25.01

OBSERVATIONS AND COMMENTS: check oil, belt, replace cartrige water filter

FLOW METER READING: 026720

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: 1.0

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

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 06.18.01

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

FLOW METER READING: 022310

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:

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 06.11.01

OBSERVATIONS AND COMMENTS: Add oil, check belts, hoses, clean water filter bag,

FLOW METER READING: 0215010

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: 0.7

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBOU P.

DATE OF INSPECTION: 05.30.01

OBSERVATIONS AND COMMENTS: Hold off, clean water bag filter, replace cartige water filter

FLOW METER READING: 0200.850

SAMPLES OBTAINED: yes

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: 1.0

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]

63

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

NAME OF INSPECTOR: SERGIO P

DATE OF INSPECTION: 05.21.01

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

FLOW METER READING: 0190050

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: 1.0

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

INSPECTOR'S SIGNATURE: [signature]

(063)

EARTH MANAGEMENT CO.
Environmental Remediation

DATE: 05.18.01

START UP / SHUT DOWN REPORT
STATION # 063
SYSTEM TYPE : G.W.

START UP REPORT:

Restart system after flush with clean water and connect the carbon drums -

018690

SHUT DOWN REPORT:

SIGNATURE: _____

063

ENVIRONMENTAL BARREL INVENTORY

DATE: 05.11.01

Personnel: SERBIAN D.

SS# 063

ADDRESS 6125 TELEGRAPH AVE.

CITY OAKLAND, CA. 94609.

Upon completion of this inventory form, please submit this sheet to:

Earth Management Co.
13539 E. Foster Rd
Santa Fe Springs, CA 90670
ph: (562) 921-3581 fx: (562) 921-7510

Non-Hazardous		Hazardous Liquids	Empty Drum	LABEL INFORMATION			Comments / Condition of drums / Location of drums
Solids	Liquids			Generator	Date	Content Description	
7				T.O.C.	05.09.01	Spent carbon	NEXT TO TRASH AREA

TOTAL 7 | TOTAL | TOTAL | TOTAL | TOTAL BARRELS/ DRUMS ONSITE 7

NOTE:

- PLEASE MAKE SURE THE CONTAINERS/BARRELS ARE TIGHT, PROPERLY LABELED, AND FREE OF LEAKS
- THE CONTAINERS SHOULD BE STORED IN A SAFE PLACE, SO AS NOT TO DISTURB THE BUSINESS, TO NOT CREATE ANY POSSIBLE DANGER FOR CUSTOMERS AND/OR PERSONNEL, AND TO MAINTAIN THE IMAGE AND CLEANLINESS OF THE FACILITY.

OFFICE USE ONLY

*215

Stn File ☐
Inv. Book ☐
W.O. Log ☐

063

EARTH MANAGEMENT CO.
Environmental Remediation

DATE: 05 10.01

START UP / SHUT DOWN REPORT
STATION # 063
SYSTEM TYPE : G.W-

START UP REPORT:

SHUT DOWN REPORT:

System shut down for carbon change

0186800

SIGNATURE: _____

063

EARTH MANAGEMENT CO.
Environmental Remediation

DATE: 05-02-01

START UP / SHUT DOWN REPORT
STATION # 063
SYSTEM TYPE : G.W.

START UP REPORT:

SHUT DOWN REPORT:

System is shut down again for change the carbon.

0186800

SIGNATURE: _____

063

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

NAME OF INSPECTOR: SERRATO P.

DATE OF INSPECTION: 04.30.01

OBSERVATIONS AND COMMENTS: Check oil, belt, clean water filter bag

FLOW METER READING: 0185340

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 1H

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: 1.0

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

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 P.

DATE OF INSPECTION: 04-23-01

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

FLOW METER READING: 017740

SAMPLES OBTAINED: G.W.S.

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: 1.0

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

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

063

DATE: 04.13.01

START-UP/SHUT DOWN REPORT

STATION NO.: 063

SYSTEM TYPE: G.W.

START-UP REPORT:

SHUT DOWN REPORT: FOR REPLACE DRUMS WITH SPENT CARBON

FLOW. METER = 0169210

SIGNATURE:

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

063

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

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 04.09.01

OBSERVATIONS AND COMMENTS: CHECK OIL, CLEAN WATER BAG FILTER
CHECK CONNECTIONS BETWEEN DRUMS,

FLOW METER READING: 0167050

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: 1.0

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

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 D.

DATE OF INSPECTION: 04-02-01

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

FLOW METER READING: 0162430

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: 1.0

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

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 P.

DATE OF INSPECTION: 03.26.01

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

FLOW METER READING: 0156820

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: 1.1

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

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 73750
REPORTED 06/07/2001
RECEIVED 05/31/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

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
269347	TOC #063, SS1 Outlet Grab
269348	TOC #063, Int 2 Grab
269349	TOC #063, Int 1 Grab
269350	TOC #063, Inlet Grab

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 #: 269347 **Clie Sample ID** TOC #063, SS1 Outlet G
Matrix: WATER **Date Sampled:** 05/30/2001 **Time Sampled:** 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	06/03/01 HP
Toluene	ND	1	0.3	0.14	ug/L	06/03/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	06/03/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	06/03/01 HP

Order #: 269348 **Client Sample ID** TOC #063, Int 2 Grab
Matrix: WATER **Date Sampled:** 05/30/2001 **Time Sampled:** 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	06/03/01 HP
Toluene	ND	1	0.3	0.14	ug/L	06/03/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	06/03/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	06/03/01 HP

Order #: 269349 **Client Sample ID** TOC #063, Int 1 Grab
Matrix: WATER **Date Sampled:** 05/30/2001 **Time Sampled:** 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	06/03/01 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	06/03/01 HP
Toluene	ND	1	0.3	0.14	ug/L	06/03/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	06/03/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	177	1	50	50	ug/L	06/03/01 HP

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

Order #: 269350 **Clie.. Sample ID** TOC #063, Inlet Grab
Matrix: WATER **Date Sampled:** 05/30/2001 **Time Sampled:** 13:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	15	1	0.3	0.18	ug/L	06/03/01 HP
Ethyl benzene	1.0	1	0.3	0.18	ug/L	06/03/01 HP
Methyl t - butyl ether	8,510	200	1000.0	0.24	ug/L	06/03/01 HP
Toluene	ND	1	0.3	0.14	ug/L	06/03/01 HP
Xylene (total)	2.0	1	0.6	0.26	ug/L	06/03/01 HP
8260B BTEX/MTBE Only						
Methyl-tert-butylether (MTBE)	5,780	50	50.0	0.6	ug/L	06/06/01 MB
8015M - Total Petroleum Hydrocarbons						
Gasoline	3,100	1	50	50	ug/L	06/03/01 HP

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

ASSOCIATED LABORATORIES LAB REQUEST RESULTS SUMMARY

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

Lab Request: 73750
Date Received: 5/31/2001
Print Date: 06/12/2001

Project: Station #063
6125 Telegraph Ave., Oakland

Objectives: Confirm MTBE by 8260.

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE	MTBE by EPA8260
TOC #063, Inlet Grab	3,100 ug/L	15 ug/L	ND	10 ug/L	2.0 ug/L	8,510 ug/L	5,780 ug/L
TOC #063, Int 1 Grab	177 ug/L	ND	ND	ND	ND	ND	
TOC #063, Int 2 Grab	ND	ND	ND	ND	ND	ND	
TOC #063, SS1 Outlet Grab	ND	ND	ND	ND	ND	ND	

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

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS/LCSD , water samples #3

Method : 8260

Analysis Date: 06/06/01

Applies to: LR 73156, 73851, 73595, 73800, 73908, 73589, 73755, 73666, 73752, 73212, 73750

REPORTING UNITS = ug/L

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	50.0	50.62	47.56	101	95	6	22	59-172
MTBE	ND	50.0	35.05	40.08	70	80	13	24	62-137
Benzene	ND	50.0	51.45	47.37	103	95	8	24	62-137
Trichloroethene	ND	50.0	52.64	48.07	105	96	9	21	66-142
Toluene	ND	50.0	49.81	46.36	100	93	7	21	59-139
Chlorobenzene	ND	50.0	54.57	49.59	109	99	10	21	60-133

ND = Not Detected

RPD = Relative Percent Difference of LCS and LCS Dup.

%REC-MS & MSD = Percent Recovery of LCS & LCS Dup.

Method Blank = All ND

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 73800-567, water samples

Method : 8260

Analysis Date: 06/05/01

Applies to: LR 73851, 73595, 73800, 73819, 73908, 73589, 73752, 73750

REPORTING UNITS = ug/L

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	50.0	53.54	46.88	107	94	13	22	59-172
MTBE	ND	50.0	38.95	34.98	78	70	11	24	62-137
Benzene	ND	50.0	35.27	36.48	71	73	3	24	62-137
Trichloroethene	ND	50.0	38.28	42.00	77	84	9	21	66-142
Toluene	ND	50.0	41.97	42.41	84	85	1	21	59-139
Chlorobenzene	ND	50.0	41.43	45.99	83	92	10	21	60-133

ND = Not Detected

RPD = Relative Percent Difference of MS and MSD

%REC-MS & MSD = Percent Recovery of MS & MSD

Method Blank = All ND

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR73668-031

Matrix: WATER

Prep. Date: 06/02/01

Analysis Date: 06/02/01-06/03/01

LAB ID#'s in Batch: LR 73671, 73757, 73752, 73750

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	11.10	11.50	111	115	4
Toluene	8021	ND	10.0	9.90	10.20	99	102	3
Ethylbenzene	8021	ND	10.0	10.90	11.20	109	112	3
Xylenes	8021	ND	20.0	20.90	20.80	105	104	0

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. BL	LCS				
		Value	Result	True	%Rec	L.Limit	H.Limit
Benzene	8021	ND	11.10	10.0	111	80%	120%
Toluene	8021	ND	9.90	10.0	99	80%	120%
Ethylbenzene	8021	ND	10.60	10.0	106	80%	120%
Xylenes	8021	ND	19.60	20.0	98	80%	120%

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 73724-271

Matrix: WATER

Prep. Date: 06/03/01

Analysis Date: 06/03/01-06/04/01

ID#'s in Batch: LR 73750, 73747, 73726, 73755, 73908

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	200.0	179	191	89.5	95.5	6.5

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 BL	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	181	200.0	90.5	80%	120%

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

COOLER RECEIPT FORM

Client: THRIFTY OIL CO. Project: TOC #063

Cooler Received: 5/31/01 Cooler Opened: 5/31/01 By: DIANA DO

Signed: DO

Was cooler scanned for presense of radioactivity, and noted if found? (Yes) No

Were custody seals present on outside of cooler? Yes (No)
a. If Yes, were they intact? Yes No
b.How many, and where? _____
c.Were signature and date correct? Yes No

Were custody papers included with the samples? (Yes) No

Were the custody papers completely filled out? (Yes) No

Did you sign and date the custody papers in the appropriate place? (Yes) No

Was a shippers packing slip attached to the cooler? Yes (No)

What kind of packing material was used? ICE

Was sufficient ice used? (Yes) No Temperature of cooler? 3.5°

Approved by: DO Date: 5/31/01

Were all bottles sealed in seperate plastic bags? Yes (No)

Did all bottles arrive intact? (Yes) No

Were all bottles labled correctly? (ID. Analysis. Dates. Times) (Yes) No

Did all ID's match the custody paperwork? (Yes) No

Were the correct containers included for the tests required? (Yes) No

Were all VOA vials checked for headspace? N/A (Yes) No

Was sufficient volume of sample sent in all containers? (Yes) No

Were correct preservatives used ? (Yes) No

Approved by: DO Date: 5/31/01

If not approved:
a. Name of person contacted: _____ Date: _____
b.Corrective action taken: _____

Chain of Custody Record

73750
C

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 DURYAKUSUMA	Fax	
Project Name	System sampling	Project #	#063C
Site Name and Address	6125 TELEGRAPH AVE OAKLAND, CA. 94609		

A.L. Job No. _____ Page _____ of _____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH	BTEX	*MTBE	Test Instructions & Comments
1	~~SS/OUTLET GRAB~~		0								
2	~~SS/OUTLET~~										
3	SS#1 OUTLET GRAB		05.30.01	13:00	WATER	3 VIALS	HCL	X	X	X	CONFIRM BY
4	INT 2-GRAB		"	13:20	"	3 VIALS	HCL	X	X	X	EPA METHOD 8260B
5	INT 1-GRAB		"	13:40	"	3 VIALS	HCL	X	X	X	IF DETECTED
6	INLET GRAB		"	13:30	"	3 VIALS	HCL	X	X	X	
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	12	Properly Cooled Y / N / NA	Y
Custody Seals Y / N / NA	N/A	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.

	1.	2.	3.
Relinquished by Sampler:			
Signature:	[signature]	[signature]	
Printed Name:	SERGIO POPEDCU	M Montiel	
Date:	05.31.01	5-31-01	
Time:	4:30p	1710	
Received By:	1.	2.	3.
Signature:	[signature]	[signature]	[signature]
Printed Name:	M Montiel	DIANA DO	
Date:	5-31-01	5/31/01	6-1
Time:	1630	1712	9:00

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

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 71579
REPORTED 05/01/2001
RECEIVED 04/24/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

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
260314	TOC #063, Outlet
260315	TOC #063, Intermed
260316	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 #: 260314 **Clie Sample ID** TOC #063, Outlet
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 10:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Methyl t - butyl ether	132	3	15.0	0.24	ug/L	04/26/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	93	1	50	50	ug/L	04/26/01 HP

Order #: 260315 **Client Sample ID** TOC #063, Intermed
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 11:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Methyl t - butyl ether	364	10	50.0	0.24	ug/L	04/26/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	224	1	50	50	ug/L	04/26/01 HP

Order #: 260316 **Client Sample ID** TOC #063, Inlet
Matrix: WATER **Date Sampled:** 04/23/2001 **Time Sampled:** 11:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/26/01 HP
Methyl t - butyl ether	3,240	100	500.0	0.24	ug/L	04/26/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/26/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/26/01 HP

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

8015M - Total Petroleum Hydrocarbons

Gasoline	1,400	1	50	50	ug/L	04/26/01	HP

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

ASSOCIATED LABORATORIES LAB REQUEST RESULTS SUMMARY

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

Lab Request: 71579
Date Received: 4/24/2001
Print Date: 05/01/2001

Project: Station #063
6125 Telegraph Ave., Oakland

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE
TOC #063, Inlet	1,400 ug/L	ND	ND	ND	ND	3,240 ug/L
TOC #063, Intermed	224 ug/L	ND	ND	ND	ND	364 ug/L
TOC #063, Outlet	93 ug/L	ND	ND	ND	ND	132 ug/L

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 71579 - 314

Matrix: WATER

Prep. Date: 04/27/01

Analysis Date: 04/27/01-04/28/01

ID#'s in Batch: LR 71602, 71574, 71579, 71638

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	223	219	111.5	109.5	1.8

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	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	221	200	110.5	80%	120%

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 71579 - 314

Matrix: WATER

Prep. Date: 04/27/01

Analysis Date: 04/27/01-04/28/01

LAB ID#'s in Batch: LR 71602, 71574, 71579, 71638

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	11.3	11.3	113	113	0
Toluene	8021	ND	10.0	9.8	9.9	98	99	1
Ethylbenzene	8021	ND	10.0	10.6	10.8	106	108	2
Xylenes	8021	ND	20.0	18.7	19.2	94	96	3

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	10.9	10.0	109	80%	120%
Toluene	8021	ND	9.5	10.0	95	80%	120%
Ethylbenzene	8021	ND	10.3	10.0	103	80%	120%
Xylenes	8021	ND	18.4	20.0	92	80%	120%

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

Chain of Custody Record

7159 ✓

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

Company	THRIFTY OIL CO.	Phone	(562) 921-3571
Project Manager	JEFF JURYAN/SUMA	Fax	HIT
Project Name	System sampling	Project #	#063
Site Name and Address	6125 TELEGRAPH A/E. OAKLAND, CA. 94609		

A.L. Job No. _____ Page _____ of _____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH	Analysis Requested: BTEX	Test Instructions & Comments
1	OUTLET		04.23.01	10:50	WATER	2 VIALS	HCL	X	X	
2	INTERMED		04.23.01	11:00	WATER	2 VIALS	HCL	X	X	
3	INLET		04.23.01	11:10	WATER	2 VIALS	HCL	X	X	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

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

	1.	2.	3.
Relinquished by Sampler:		Relinquished by	Relinquished by
Signature:		Signature:	Signature:
Printed Name:		Printed Name:	Printed Name:
Date: 04.23.01 Time:		Date: Time:	Date: Time:
Received By:	1.	Received By: 2.	Received By: 3.
Signature:		Signature:	Signature:
Printed Name:		Printed Name:	Printed Name:
Date: 4/24/01 Time: 1003		Date: 4-25- Time: 8:00	Date: Time:

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

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 70714
REPORTED 04/11/2001
RECEIVED 04/10/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

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
257334	TOC #063, Outlet
257335	TOC #063, Intermed 1
257336	TOC #063, Intermed 2
257337	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 #: 257334 **Client Sample ID** TOC #063, Outlet
Matrix: WATER **Date Sampled:** 04/09/2001 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Methyl t - butyl ether	475	20	100.0	0.24	ug/L	04/10/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/10/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/10/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	378	1	50	50	ug/L	04/10/01 HP

Order #: 257335 **Client Sample ID** TOC #063, Intermed 1
Matrix: WATER **Date Sampled:** 04/09/2001 **Time Sampled:** 09:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Methyl t - butyl ether	668	20	100.0	0.24	ug/L	04/10/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/10/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/10/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	504	1	50	50	ug/L	04/10/01 HP

Order #: 257336 **Client Sample ID** TOC #063, Intermed 2
Matrix: WATER **Date Sampled:** 04/09/2001 **Time Sampled:** 09:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	04/10/01 HP
Methyl t - butyl ether	674	20	100.0	0.24	ug/L	04/10/01 HP
Toluene	ND	1	0.3	0.14	ug/L	04/10/01 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	04/10/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	479	1	50	50	ug/L	04/10/01 hP

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

Order #: 257337 **Client Sample ID** TOC #063, Inlet

Matrix: WATER **Date Sampled:** 04/09/2001 **Time Sampled:** 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	191	20	6.0	0.18	ug/L	04/10/01 HP
Ethyl benzene	42	1	0.3	0.18	ug/L	04/10/01 HP
Methyl t - butyl ether	4,990	125	625.0	0.24	ug/L	04/10/01 HP
Toluene	4.0	1	0.3	0.14	ug/L	04/10/01 HP
Xylene (total)	38	1	0.6	0.26	ug/L	04/10/01 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	4,040	1	50	50	ug/L	04/10/01 HP

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 70620 - 014

Matrix: WATER

Prep. Date: 04/10/01

Analysis Date: 04/10/01 - 04/11/01

LAB ID#'s in Batch: LR 70620, 70714, 70603, 70605, 70604, 70720

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	12.2	11.8	122	118	3
Toluene	8021	ND	10.0	10.0	9.7	100	97	3
Ethylbenzene	8021	ND	10.0	10.8	10.5	108	105	3
Xylenes	8021	ND	20.0	18.8	18.4	94	92	2

* = *Matrix Interference. LCS OK. Data Reported.*
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	12.0	10.0	120	80%	120%
Toluene	8021	ND	10.0	10.0	100	80%	120%
Ethylbenzene	8021	ND	10.7	10.0	107	80%	120%
Xylenes	8021	ND	19.0	20.0	95	80%	120%

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

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 70620 - 014

Matrix: WATER

Prep. Date: 04/10/01

Analysis Date: 04/10/01 - 04/11/01

ID#'s in Batch: LR 70620, 70714, 70603, 70605, 70604, 70720

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	150	174	75.0	87.0	14.8

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	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	208	200	104.0	80%	120%

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

Chain of Custody Record

70714

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

Company	T. O. C.	Phone	(562) 921-3581
Project Manager	JEFF JURYAKUSUMA	Fax	N/A
Project Name	System Sampling	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND, CA	A.L. Job No.	Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH	BTEX	MTBE	Test Instructions & Comments
1	OUTLET		04.09.01	9:00	WATER	(2) 3 VIALS	HCL	X	X	X	
2	INTERMED 1		04.09.01	9:10	"	(1) 3 VIALS	HCL	X	X	X	
3	INTERMED 2		04.09.01	9:20	"	(2) 3 VIALS	HCL	X	X	X	
4	INLET		04.09.01	9:30	"	(3) 3 VIALS	HCL	X	X	X	
5											
6											
7											
8											
9											
10											BROKEN VIALS - SEND THROUGH FOR DR 4/10/01
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	12	Properly Cooled	(Y) / N / NA
Custody Seals Y / N / (NA)		Samples Intact	(Y) / N / NA
Received in Good Condition	(Y) / N	Samples Accepted	(Y) / N

Turn Around Time

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

	1.	2.	3.
Relinquished by Sampler:			
Signature:			
Printed Name:	SERBIAN P		
Date:	04.09.01 Time:	Date: Time:	Date: Time:
Received By:	1.	2.	3.
Signature:			
Printed Name:	M. GARCIA		
Date:	4/10/01 Time: 959	Date: Time:	Date: Time:

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