THRIFTY OIL CO.

October 10, 2000 O.07627

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

00 OCT 13 PM 3:54
ENVIRONMENTAL PROTECTION

LOP
R005

RE: **Thrifty Oil Co. Station #063**
6125 Telegraph Avenue
Oakland, CA 94609
3rd Quarter 2000, Status Report

Dear Ms. Hugo:

Presented herewith is the Third Quarter 2000, 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

THRIFTY OIL CO.

October 9, 2000

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
3rd Quarter 2000, Status Report

Dear Ms. Hugo:

Presented herein is the Third Quarter 2000, 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 Third Quarter 2000. 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 9.10 feet below surface grade (bsg) in monitoring well MW-1 to 14.30 feet bsg in groundwater extraction well MW-3 on July 26, 2000 (**Appendix A**). A groundwater elevation contour map based on the July 26, 2000 data is presented in **Figure 2**. The groundwater is flowing radially toward groundwater extraction well MW-3 with a gradient ranging from approximately 0.08 feet/foot to 0.286 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 July 26, 2000. Well MW-3 was sampled on July 26, 2000 as 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 and analyzed for total petroleum hydrocarbons (TPH-g) EPA method 8015 modified for gasoline. Volatile aromatic compounds of benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) were analyzed for by EPA methods 8021B and detected MTBE was confirmed by 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 all hydrocarbon constituent concentrations were below method detection limits, with the exception of 2,060 ug/L MTBE (by EPA method 8260B) in monitoring well MW-4. Well MW-3 was included in the construction of the isoconcentration maps using the laboratory analytical influent sampling results.

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 32,276 gallons of groundwater, and has treated approximately 842,426 gallons of groundwater since start up (through October 6, 2000). The groundwater system was operational throughout the third quarter.

Influent, intermediate, and effluent water samples were collected on July 26, 2000. 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 8021A. All laboratory results for influent, intermediate, and effluent samples for TPH-g, BTEX, and MTBE were all below the laboratory detection limits. A copy of the laboratory analytical reports are included in **Appendix D**.

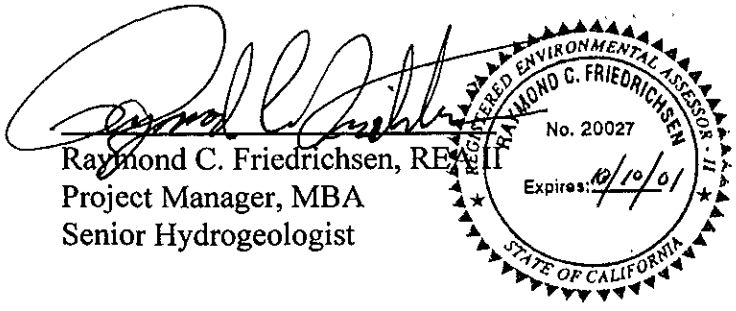
Thrifty requests that well MW-4 be converted to a groundwater extraction well replacing extraction well MW-3. The reason for this request is because of the elevated MTBE levels (**Figure 5**) in well well MW-4, and the declining hydrocarbon levels of extraction well MW-3.

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 Fourth Quarter 2000 monitoring report.

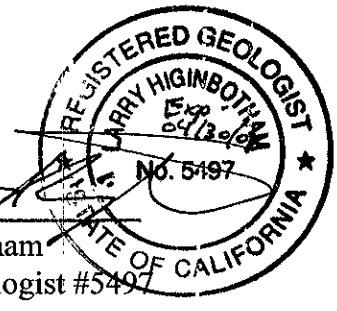
Interpretations expressed herein are based upon data collected be EMC.

Written by:



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

Reviewed by:



Larry Higinbotham
Registered Geologist #5197

FIGURES

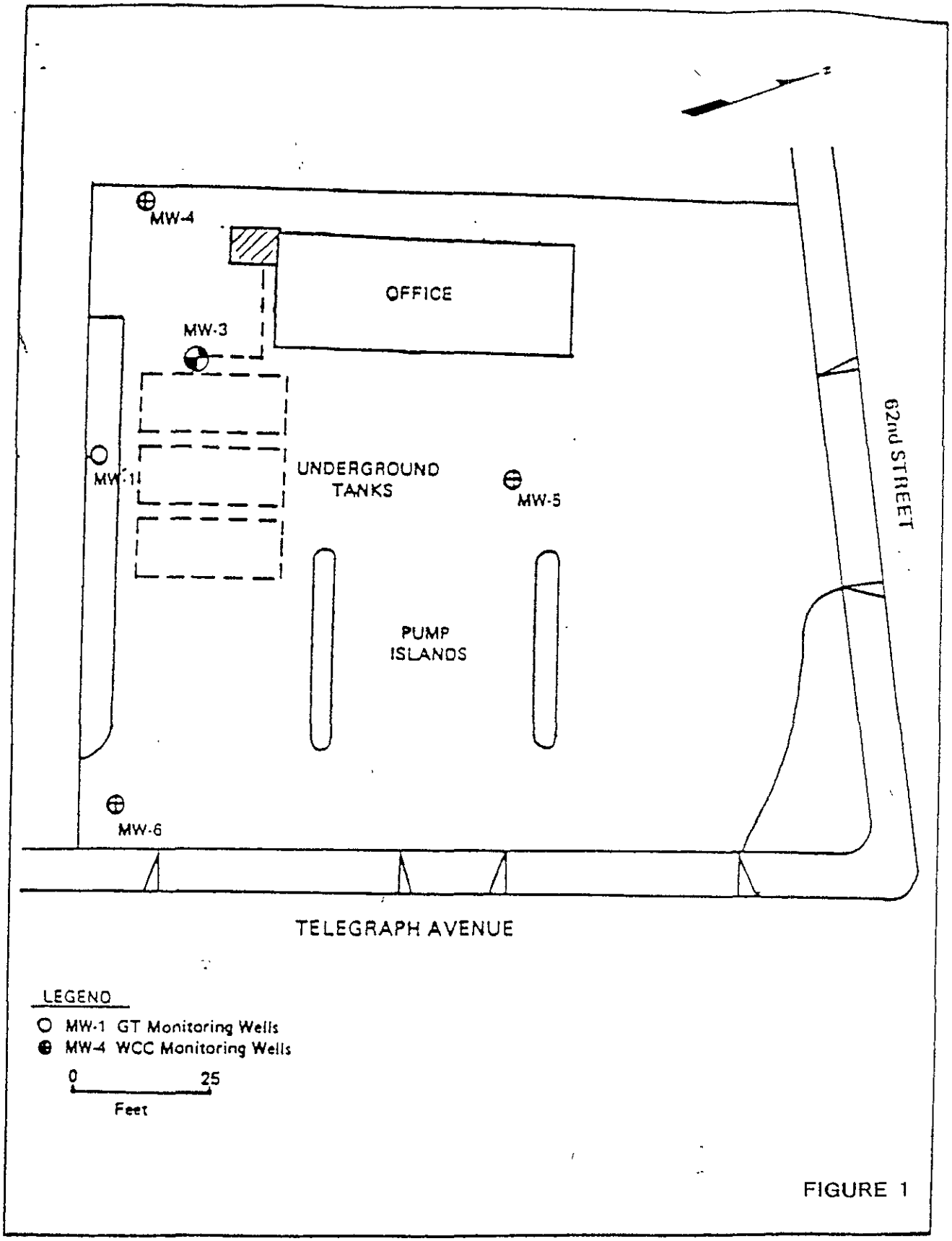
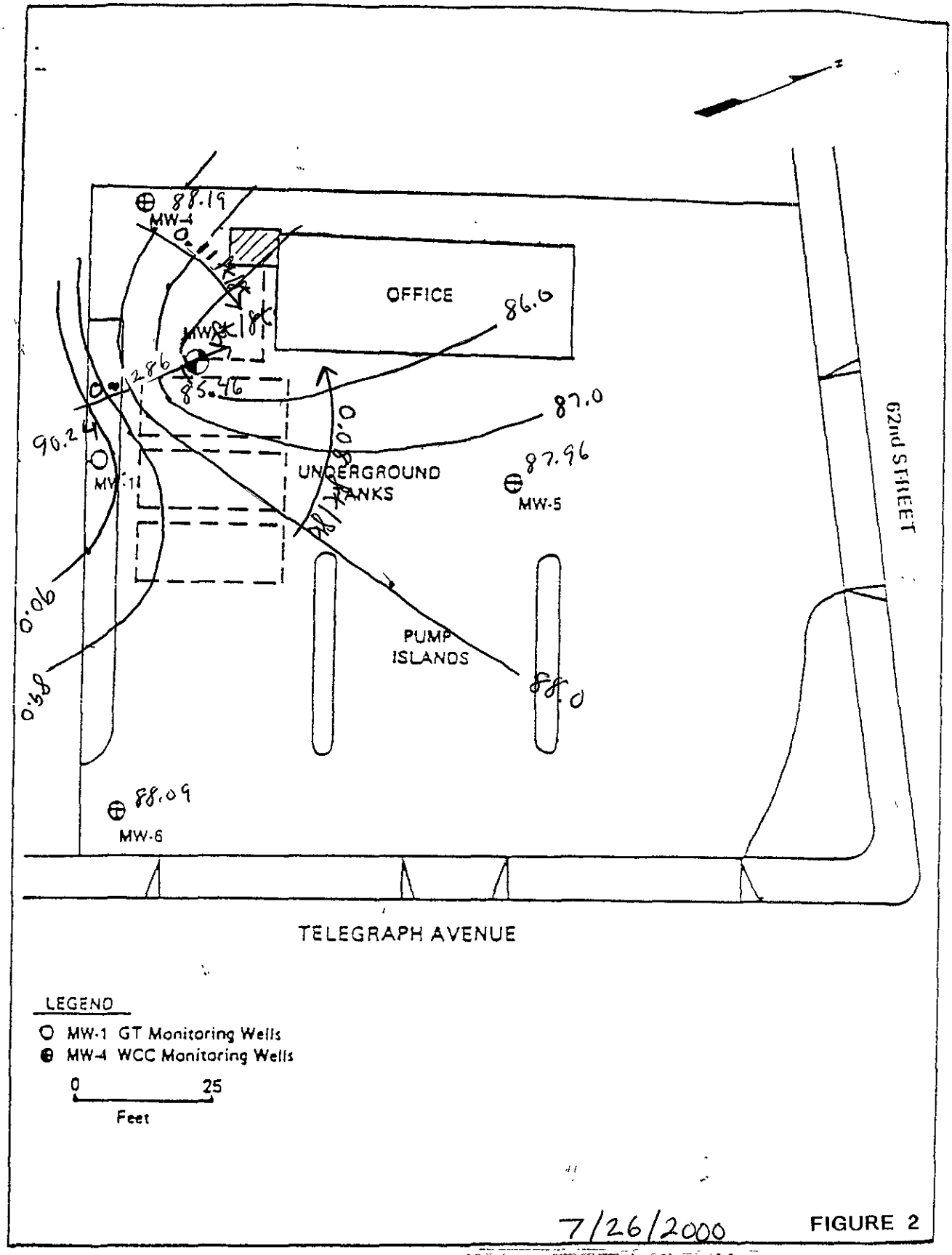


FIGURE 1

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

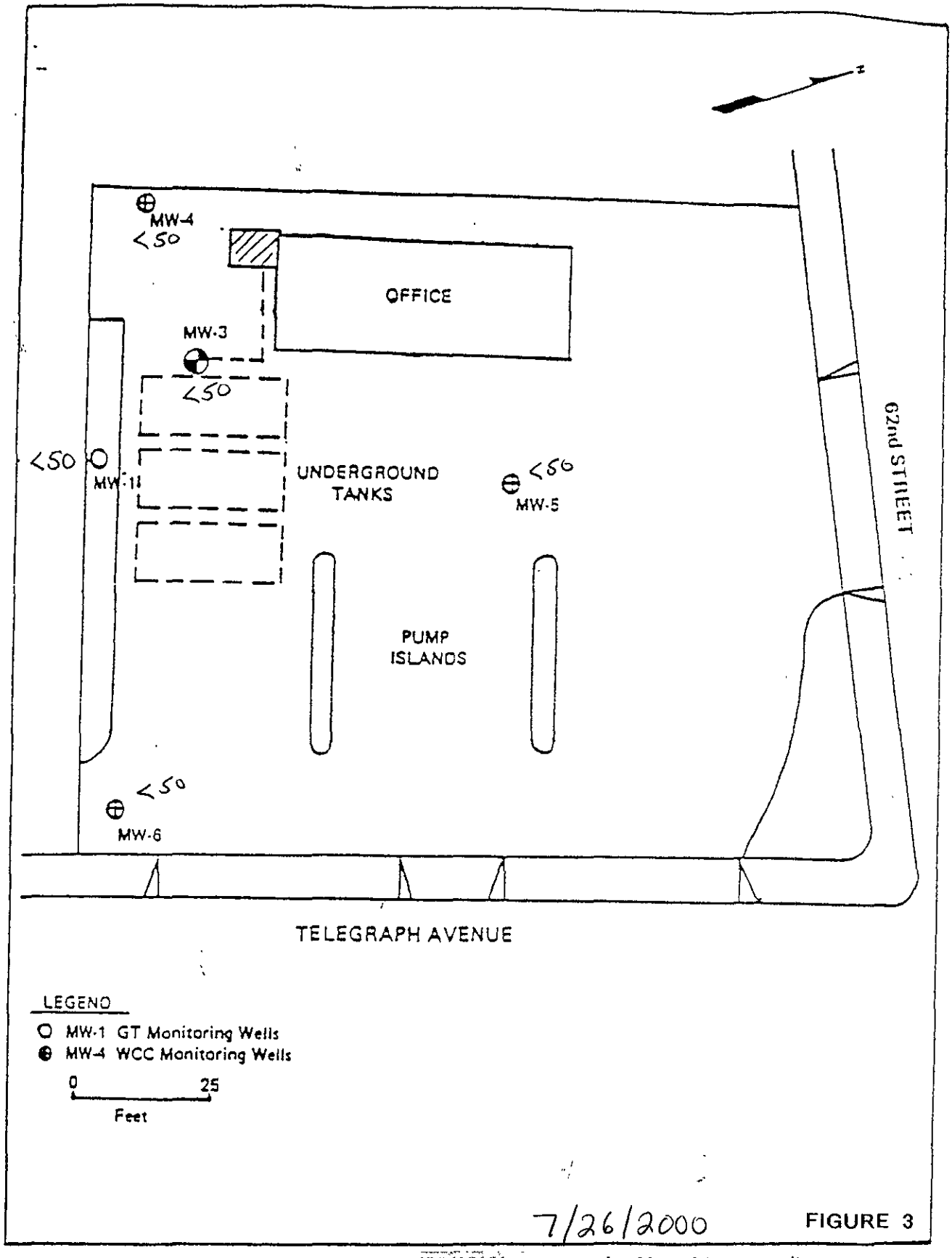


7/26/2000

FIGURE 2

Groundwater Contour Map

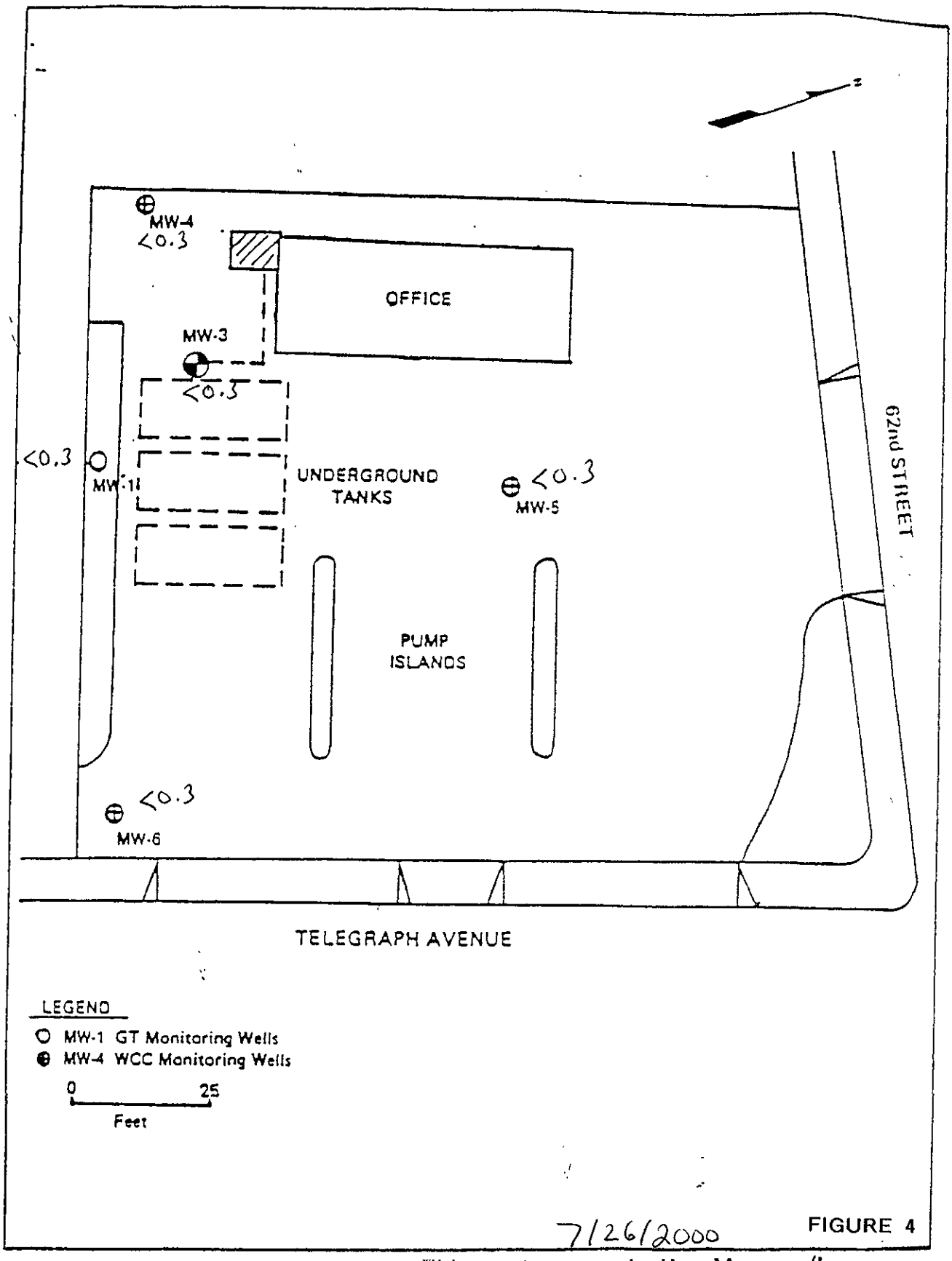
THRIFTY SERVICE STATION NO. 63
6125 TELEGRAPH AVE.
OAKLAND, CA



7/26/2000

FIGURE 3

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

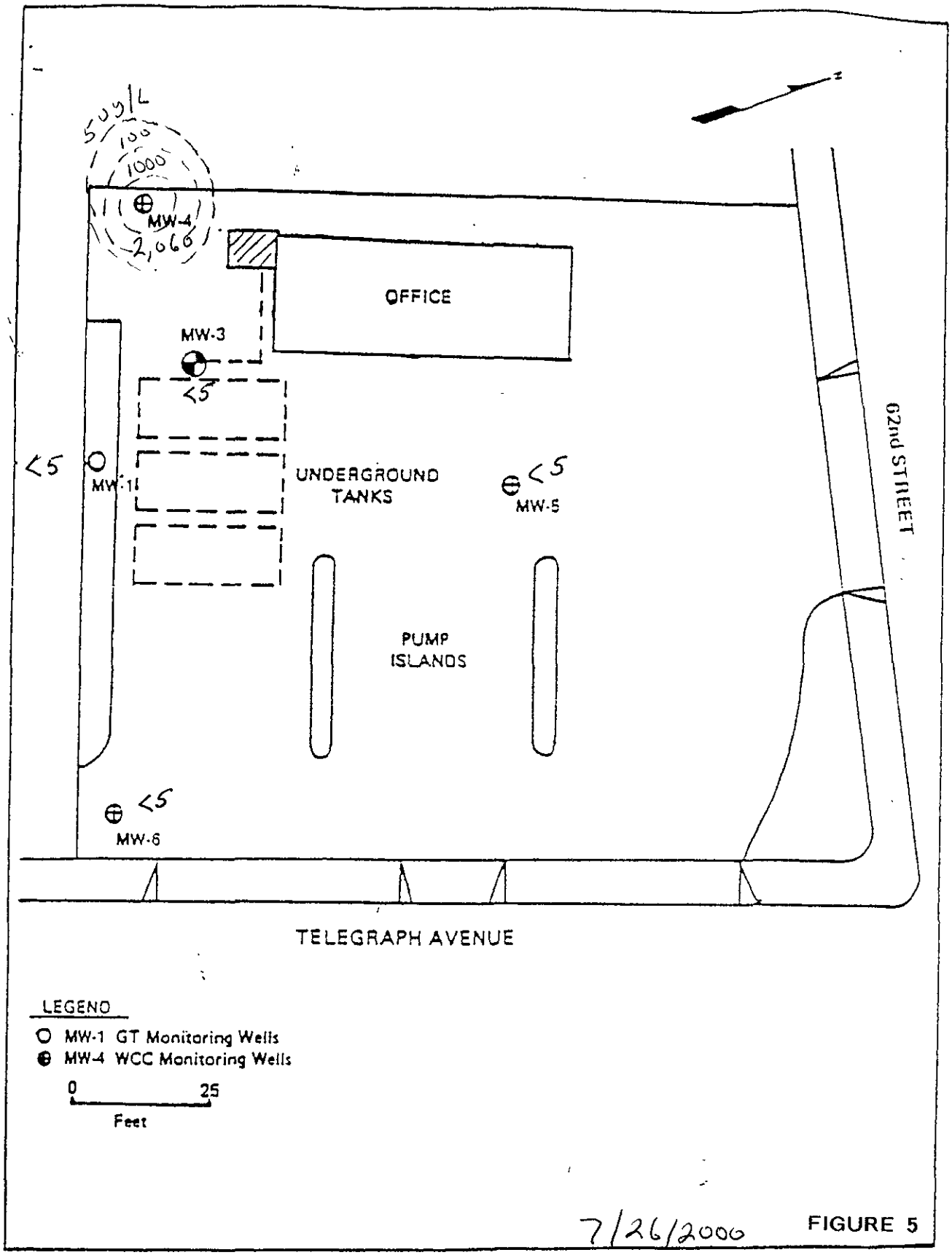


7/26/2000

FIGURE 4

Benzene Isoconcentration Map ug/L

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



7/26/2000 **FIGURE 5**

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

TABLE(S)

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

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-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
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

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)					
01/11/94	-	-	-	-	-	-	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
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

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)					
07/14/94	-	-	-	-	-	-	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
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

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)					
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
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

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)					
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

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	-

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
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	-
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	-

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
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	-
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							-	-	-	-	-

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
10/06/97	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	-
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	-	-	-	-	-	-	-	-	-	-	-	-

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
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
05/26/00	60,086 0	806,285	90	-	-	-	-	-	-	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

Note: TPH is analyzed by EPA Method 8015 M

BTEX is analyzed by EPA Method 602 or 8020

< = less than laboratory detection level indicated

- = no sample / not analyzed

*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: 07-26-00

OBSERVATION WELLS

NO.	DTW	DTP	PT		DTB	DIA.	ODORS			F/P			
MONTHLY							YES	NO	S	YES	NO		
MW-1	9.10				29.03	2"		X			X	-	-
[redacted]												-	-
MW-3	14.30				28.22	6"		X			X	-	-
MW-4	12.29				29.15	2"		X			X	-	-
MW-5	14.02				26.28	4"		X			X	-	-
MW-6	12.35				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: O.W.S	
FREE PRODUCT REMOVED: APPROX. — GALLONS	WATER REMOVED: APPROX. 94 GALLONS
DATA RECORDED BY: [signature]	INPUT BY: Carrie

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	#063	Date:	07-26-00
Address:			
Personnel:	SERGIO P.	Weather:	SUNNY DAY
Well No:	MW-1	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	29.03	Well Diameter	2"
Depth to Water (ft)	9.10	Est. Purge Volume:	13

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:48	9:50	9:52	9:54	9:56	9:58	10:00
EC	1110	1120	990	970	980	960	960
pH	6.19	6.13	6.11	6.13	6.09	6.07	6.07
Temp	21.6	21.4	21.4	21.1	21.9	21.8	21.7
Gal.	1	3	5	7	9	11	13
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	7.32	Total Well Depth(ft).	29.03

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	2063	Date:	07-26-00
Address:			
Personnel:	SERGIO P.	Weather:	SUNNY DAY
Well No:	MW-4	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	29.15	Well Diameter	2"
Depth to Water (ft)	12.29	Est. Purge Volume:	11

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:05	10:07	10:08	10:10	10:11	10:13	10:15
EC	1360	1370	1360	1340	1360	1370	1380
pH	6.21	6.07	6.15	6.12	6.09	6.06	6.09
Temp	73.4	73.1	72.9	72.6	72.6	72.4	72.1
Gal.	1	3	4	6	7	9	11

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	7.56	Total Well Depth(ft).	29.15

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	3063	Date:	07-26-00
Address:			
Personnel:	SERBAN P	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	26.22	Well Diameter	4"
Depth to Water (ft)	14.02	Est. Purge Volume:	32

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:12	9:17	9:21	9:26	9:30	9:35	9:40
EC	1360	1340	1330	1.310	1320	1330	1310
pH	6.19	6.19	6.09	6.06	6.09	6.04	6.04
Temp	20.4	20.1	20.9	20.7	20.9	20.3	20.1
Gal.	4	9	13	18	22	27	32
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	8.22	Total Well Depth(ft).	26.28

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	4063	Date:	02-26-00
Address:			
Personnel:	BERRITT P	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.87	Well Diameter	4"
Depth to Water (ft)	12.35	Est. Purge Volume:	32

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	8:27	8:32	8:38	8:43	8:49	8:54	9:00
EC	1430	1460	1440	1430	1430	1440	1420
pH	6.13	6.04	6.11	6.04	6.01	6.03	6.07
Temp	21.4	21.3	21.3	21.1	20.9	20.7	20.6
Gal.	5	10	16	21	27	32	32

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	7.70	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 57008
REPORTED 08/09/2000
RECEIVED 07/28/2000

PROJECT Station #063
6125 Telegraph Ave., Oakland, CA

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
201747	TOC #063, MW-6
201748	TOC #063, MW-5
201749	TOC #063, MW-1
201750	TOC #063, MW-4
201751	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 #: 201747 **Client Sample ID:** TOC #063, MW-6 **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 14:00

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP
Methyl t - butyl ether	ND	5	ug/L	08/02/00 HP
Toluene	ND	0.3	ug/L	08/02/00 HP
Xylene (total)	ND	0.6	ug/L	08/02/00 HP
8015M - Total Petroleum Hydrocarbons				
Gasoline	ND	50	ug/L	08/02/00 HP

Order #: 201748 **Client Sample ID:** TOC #063, MW-5 **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 14:10

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP
Methyl t - butyl ether	ND	5	ug/L	08/02/00 HP
Toluene	ND	0.3	ug/L	08/02/00 HP
Xylene (total)	ND	0.6	ug/L	08/02/00 HP
8015M - Total Petroleum Hydrocarbons				
Gasoline	ND	50	ug/L	08/02/00 HP

Order #: 201749 **Client Sample ID:** TOC #063, MW-1 **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 14:20

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Methyl t - butyl ether	ND	5	ug/L	08/02/00	HP
Toluene	ND	0.3	ug/L	08/02/00	HP
Xylene (total)	ND	0.6	ug/L	08/02/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	08/02/00	HP

Order #: 201750 **Client Sample ID:** TOC #063, MW-4 **Log Date:** 07/28/20

Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 14:25

Analyte	Result	DLR	Units	Date/Analyst	
8021B BTEX + MTBE					
Benzene	ND	0.3	ug/L	08/02/00	HP
Ethyl benzene	ND	0.3	ug/L	08/02/00	HP
Methyl t - butyl ether	3,110	710.0	ug/L	08/02/00	HP
Toluene	ND	0.3	ug/L	08/02/00	HP
Xylene (total)	ND	0.6	ug/L	08/02/00	HP
8260B Other Compounds					
Methyl-tertbutylether (MTBE)	2,060	5	ug/L	08/07/00	DP
8015M - Total Petroleum Hydrocarbons					
Gasoline	ND	50	ug/L	08/02/00	HP

Order #: 201751 **Client Sample ID:** TOC #063, Trip Blank **Log Date:** 07/28/20

Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 14:00

Analyte	Result	DLR	Units	Date/Analyst	
8021B BTEX + MTBE					
Benzene	ND	0.3	ug/L	08/02/00	HP
Ethyl benzene	ND	0.3	ug/L	08/02/00	HP
Methyl t - butyl ether	ND	5	ug/L	08/02/00	HP
Toluene	ND	0.3	ug/L	08/02/00	HP
Xylene (total)	ND	0.6	ug/L	08/02/00	HP
8015M - Total Petroleum Hydrocarbons					
Gasoline	ND	50	ug/L	08/02/00	HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ASSOCIATED LABORATORIES
LCS REPORT FORM

Matrix: WATER

Method : 8260

Analysis Date: 08/07/00

Applies to: LR 57008, 56983, 57006, 57307, 57299

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	46.1	45.9	92.2	91.8	0.4	30	61-145
MTBE	ND	50.0	56.2	57.7	112.4	115.4	2.6	30	70-130
Benzene	ND	50.0	45.8	47.6	91.6	95.2	3.9	11	76-127
Trichloroethene	ND	50.0	42.2	42.3	84.4	84.6	0.2	14	71-120
Toluene	ND	50.0	49.7	50.0	99.4	100.0	0.6	13	76-125
Chlorobenzene	ND	50.0	45.5	46.0	91.0	92.0	1.1	13	75-130

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 57007 - 745

Matrix: WATER

Prep. Date: 08/02/00

Analysis Date: 08/02/00 - 08/03/00

ID#'s in Batch: LR 57006, 57007, 57008, 56873, 56925, 56597

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	500	494	449	98.8	89.8	9.5

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	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	575	600	95.8	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 57007 - 745

Matrix: WATER

Prep. Date: 08/02/00

Analysis Date: 08/02/00 - 08/03/00

LAB ID#'s in Batch: LR 57006, 57007, 57008, 56873, 56925, 56597

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	9.9	8.1	99.0	81.0	20.0
Toluene	8021	ND	10.0	10.1	8.2	101.0	82.0	20.8
Ethylbenzene	8021	ND	10.0	9.9	8.0	99.0	80.0	21.2
Xylenes	8021	ND	30.0	31.8	26.0	106.0	86.7	20.1

** = 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	5.3	5.0	106.0	80%	120%
Toluene	8021	ND	5.2	5.0	104.0	80%	120%
Ethylbenzene	8021	ND	5.0	5.0	100.0	80%	120%
Xylenes	8021	ND	17.1	15.0	114.0	80%	120%

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

57008

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 SURYARUSUMA	Fax	N/A
Project Name	Q.W.S.	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.	Analysis Requested: TPH	BTEX	MTBE*	Test Instructions & Comments
1	MW-6	✓	07-26-00	13:00	WATER	3 VIALS	HCL	X	X	X	*CONFIRM MTBE BY
2	MW-5	✓		13:10		3 VIALS	HCL	X	X	X	8260 IF DETECTABLE
3	MW-1	✓		14:20		3 VIALS	HCL	X	X	X	
4	MW-4	✓		14:25		3 VIALS	HCL	X	X	X	
5	TRIP BLANK	✓		14:00		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	14	Properly Cooled (Y) / N / NA	Y
Custody Seals Y / N (NA)	NA	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]	[signature]	
Printed Name:	JEFF P.		
Date:	07.26.00	7/26/00	
Time:		1800	

	Received By: 1.	Received By: 2.	Received By: 3.
Signature:			
Printed Name:			
Date:	Time:	Time:	Time:

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 P.

DATE OF INSPECTION: 10-06-00

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

FLOW METER READING: 95310

SAMPLES OBTAINED: H/C

PRESSURE GAUGE READING U' STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING D OWN STREAM OF THE CARTRIDGE FILTER: N

PRESSURE GAUGE READING D OWN STREAM OF THE PRIMARY GAC UNIT: 1.1

PRESSURE GAUGE READING D OWN STREAM OF THE SECONDARY GAC UNIT: 1.0

PRESSURE GAUGE READING D OWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S S.GNATURE: [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: 09-22-00

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

FLOW METER READING: 76740

SAMPLES OBTAINED: H/W

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: 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: 09-15-00

OBSERVATIONS AND COMMENTS: Check oil, clean water filter Bag check connection hoses

FLOW METER READING: 70540

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: M

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]

(63)

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: 09-08-00

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

FLOW METER READING: 70461

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: 1.0

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

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

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: 09-01-00

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

FLOW METER READING: 69240

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: 1.0

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

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

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: 08.25.00

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

FLOW METER READING: 68630

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: 1.0

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

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

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: 08-18-00

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

FLOW METER READING: 68306

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: 1.0

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

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

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: 08.11.00

OBSERVATIONS AND COMMENTS: Add oil, replace cartridge water filter, clean water log,

FLOW METER READING: _____

SAMPLES OBTAINED: _____

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: _____

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: 08-04-00

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

FLOW METER READING: 66740

SAMPLES OBTAINED: H/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: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: 07-27-00

DATE OF INSPECTION: BROOKS J.

OBSERVATIONS AND COMMENTS: Electrical, belt, clean water filter, replace cartridge water filter

FLOW METER READING: 65987

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]

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: 07-20-00

OBSERVATIONS AND COMMENTS: Add oil, replace water cartridge filter

FLOW METER READING: 65234

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]

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: 07-13-00

OBSERVATIONS AND COMMENTS: Add oil, check belt, brasses, replace water cartrige

FLOW METER READING: 64581

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]

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: 07-07-00

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

FLOW METER READING: 63816

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: 0.6

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 P.

DATE OF INSPECTION: 06-26-00

OBSERVATIONS AND COMMENTS: Add oil, replace cartridge under filter, check hoses connection

FLOW METER READING: 63.034

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: 0.9

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 57007
REPORTED 08/04/2000
RECEIVED 07/28/2000

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
201744	TOC #063, Effluent
201745	TOC #063, Intermed
201746	TOC #063, Influent

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 #: 201744 **Client Sample ID:** TOC #063, Effluent **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 11:00

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP
Methyl t - butyl ether	ND	5	ug/L	08/02/00 HP
Toluene	ND	0.3	ug/L	08/02/00 HP
Xylene (total)	ND	0.6	ug/L	08/02/00 HP
8015M - Total Petroleum Hydrocarbons				
Gasoline	ND	50	ug/L	08/02/00 HP

Order #: 201745 **Client Sample ID:** TOC #063, Intermed **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 11:10

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP
Methyl t - butyl ether	ND	5	ug/L	08/02/00 HP
Toluene	ND	0.3	ug/L	08/02/00 HP
Xylene (total)	ND	0.6	ug/L	08/02/00 HP
8015M - Total Petroleum Hydrocarbons				
Gasoline	ND	50	ug/L	08/02/00 HP

Order #: 201746 **Client Sample ID:** TOC #063, Influent **Log Date:** 07/28/20
Matrix: WATER
Date Sampled: 07/26/2000
Time Sampled: 11:20

Analyte	Result	DLR	Units	Date/Analyst
8021B BTEX + MTBE				
Benzene	ND	0.3	ug/L	08/02/00 HP
Ethyl benzene	ND	0.3	ug/L	08/02/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Methyl t - butyl ether	ND	5	ug/L	08/02/00	HP
Toluene	ND	0.3	ug/L	08/02/00	HP
Xylene (total)	ND	0.6	ug/L	08/02/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	08/02/00	HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 57007 - 745

Matrix: WATER

Prep. Date: 08/02/00

Analysis Date: 08/02/00 - 08/03/00

ID#'s in Batch: LR 57006, 57007, 57008, 56873

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	500	494	449	98.8	89.8	9.5

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	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	575	600	95.8	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 57007 - 745

Matrix: WATER

Prep. Date: 08/02/00

Analysis Date: 08/02/00 - 08/03/00

LAB ID#'s in Batch: LR 57006, 57007, 57008, 56873

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	9.9	8.1	99.0	81.0	20.0
Toluene	8021	ND	10.0	10.1	8.2	101.0	82.0	20.8
Ethylbenzene	8021	ND	10.0	9.9	8.0	99.0	80.0	21.2
Xylenes	8021	ND	30.0	31.8	26.0	106.0	86.7	20.1

** = 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	5.3	5.0	106.0	80%	120%
Toluene	8021	ND	5.2	5.0	104.0	80%	120%
Ethylbenzene	8021	ND	5.0	5.0	100.0	80%	120%
Xylenes	8021	ND	17.1	15.0	114.0	80%	120%

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

Chain of Custody Record

57007 ✓

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	N/A
Project Name	SYSTEM SAMPLING	Project #	5063
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	EFFLUENT	✓	07.26-00	11:00	WATER	3 VIALS	HCL	X	X	X	IF DETECTABLE,
2	INTERMED	✓	07.26.00	11:10	WATER	3 VIALS	HCL	X	X	X	CONFIRM MTBE
3	IFLUENT	✓	07.26.00	11:20	WATER	3 VIALS	HCL	X	X	X	BY 8260
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	
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:	[signature]	[signature]	
Printed Name:	SERBAN D.	[illegible]	
Date:	07.26.00	7/28/00	
Time:		1000	
Received By:	1.	2.	3.
Signature:			
Printed Name:			
Date:			
Time:			

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