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THRIFTY OIL CO.

December 31, 2003

0.41840

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

Local #3871
RWQCB #01-1479
Global ID #T0600101366
Confirmation #4286199569

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
4th Quarter 2003, Status Report

Dear Ms. Hugo:

Presented herein is the 4th Quarter 2003, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report presents the results of the site monitoring and remedial activities in the fourth quarter of 2003. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling, and remedial system monitoring activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. In general, groundwater occurred beneath the station at depths ranging from 13.72 feet below top of casing (btc) in monitoring well MW-6 to 20.41 feet btc in monitoring well MW-3 on October 8, 2003. A groundwater elevation contour map based on the October 8, 2003, data is presented in **Figure 2**. A slight depression in the groundwater table is present in the area of recovery well MW-3 with the overall groundwater flow direction to the west-southwest at an approximate gradient of 0.044 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-4, MW-5, and MW-6 on October 8, 2003. Groundwater from recovery well MW-3 was also sampled on October 8, 2003, because the system was shut down. Groundwater samples were obtained by EMC and delivered in a chilled state following strict Chain-of-Custody procedure to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M, and for benzene, toluene, ethylbenzene, xylenes (BTEX) methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical sampling results are provided in **Table 1** and **Table 2** (other oxygenates). Copies of the EMC Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

The groundwater samples were also analyzed for ethanol and methanol by EPA Method 8260B. Ethanol and methanol were not detected above the method detection limit of 20 milligrams per liter.

TPHg, benzene, and MTBE isoconcentration maps results are presented in **Figures 3, 4,** and **5**, respectively. Laboratory results indicate the highest concentrations of TPH-g, benzene, and MTBE were in

monitoring well MW-4, with concentrations of 12,500 ug/L, 64 ug/L, and 11,400 ug/L, respectively. The isoconcentration maps incorporated data from the treatment system influent well MW-3.

Remediation Status

Site remedial activities were initiated in April 1991. Presently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring well MW-3 with treatment utilizing activated carbon. System operational data is included in **Table 3** and **Appendix C**. During this reporting period from September 3, 2003, through December 9, 2003, the groundwater treatment system processed approximately 39,110 gallons of groundwater and has treated approximately 2,304,219 gallons of groundwater since start-up (April 1991) through December 9, 2003. The system was shut down for quarterly groundwater sampling from October 6 through October 8, 2003. The system operated throughout the remainder of the quarter.

Inlet, intermediate 3, intermediate 2, intermediate 1, and outlet water samples were collected on October 10, 2003. The system water samples collected by EMC were sent to a state certified laboratory for analysis. The samples were analyzed for TPHg by EPA Method 8015M and for BTEX and MTBE by EPA Method 8021B. All outlet sample constituents were below the laboratory detection limit, except for toluene (1.0 ug/L). Inlet water sample results indicate maximum concentrations of 16,200 ug/L TPHg and 8,700 ug/L MTBE. Benzene concentrations were not detected above 0.04 ug/L. Copies of the laboratory analytical reports are included in **Appendix D**.

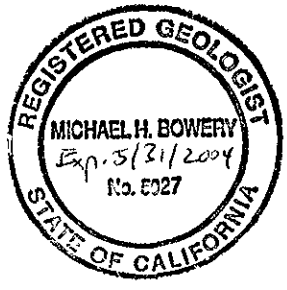
Other Activities

With the high concentrations of dissolved phase petroleum hydrocarbons in well MW-4, Thrifty has previously proposed to connect well MW-4 to the existing remediation system to enhance the reduction of the dissolved-phase petroleum hydrocarbons in the groundwater (originally requested in the 2nd Quarter, Status Report dated July 16, 2002). **Once approval is received from the Alameda County Health Care Services, Thrifty will complete this work.**

The groundwater monitoring wells and the treatment unit will be monitored and sampled during the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the 4th Quarter 2003 monitoring report.

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

Sincerely,



Michael H. Bowery, R.G.
Project Manager

Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLP; Ms. Kateri Luka

File

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				*Screen Interval = 15 to 30 feet*							
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
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12.16	NP	0.00	99.34	87.18

TABLE 1
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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)					
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	10.60	NP	0.00	99.34	88.74
07/16/01	<50	<0 18	<0.14	<0.18	<0.26	<0.24	9.07	NP	0.00	99.34	90.27
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12.16	NP	0.00	99.34	87.18
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.23	NP	0.00	99.34	84.11
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.17	NP	0.00	99.34	84.17
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	16.71	NP	0.00	99.34	82.63
10/30/02	<50	2.2	<0.14	<0.18	<0.26	13	15.16	NP	0.00	99.34	84.18
01/15/03	465 J	<0.14	<0.07	<0.08	<0.35	147	16.70	NP	0.00	99.34	82.64
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	15.16	NP	0.00	99.34	84.18
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.64	NP	0.00	99.34	85.70
10/08/03	761	11	<0.32	1.4 J	2.9 J	653	15.50	NP	0.00	99.34	83.84
MONITORING WELL #MW-2				*Screen Interval = 15 to 30 feet*							
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

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	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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	*Screen Interval = 15 to 30 feet*						*(GROUNDWATER SYSTEM'S PUMPING WELL)*				
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
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

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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)					
10/25/00	-	-	-	-	-	-	14.32	NP	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	13.46	NP	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-		-	-	-	-
07/16/01	-	-	-	-	-	-	12.80	NP	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	15.30	NP	0.00	99.76	84.46
01/23/02	-	-	-	-	-	-		-	-	-	-
04/10/02	-	-	-	-	-	-	13.22	NP	0.00	99.76	86.54
07/24/02	-	-	-	-	-	-	14.32	NP	0.00	99.76	85.44
10/30/02	-	-	-	-	-	-	16.20	NP	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	14.10	NP	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-		-	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	18.30	NP	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	16.65	NP	0.00	99.76	83.11
MONITORING WELL #MW-4				*Screen Interval = 9 to 29 feet*							
11/21/86	100,000	3,200	2,700	2,400	14,000	-	16.22	FILM	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.80	21.35	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	20.02	SHEEN	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	19.78	SHEEN	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	13.94	FILM	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	19.27	FILM	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	21.44	FILM	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	14.08	FILM	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	16.09	FILM	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	21.33	FILM	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	20.45	FILM	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	19.05	FILM	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	20.41	FILM	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	19.89	NP	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	19.62	NP	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600		-	-	-	-
10/09/96	-	-	-	-	-	-	15.32	NP	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	10.80	NP	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000		-	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	18.80	NP	0.00	99.48	80.68

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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)					
10/16/97	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
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	13.80	NP	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	16.87	NP	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	12.28	NP	0.00	100.48	88.20
04/10/02	655	7	8	1	1	587	13.80	NP	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	15.33	NP	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	17.00	NP	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	16.84	NP	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	16.86	NP	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	10.69	NP	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	16.32	NP	0.00	100.48	84 16
MONITORING WELL #MW-5				*Screen Interval = 7 to 27 feet*							
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

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)					
01/06/93	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
07/16/01	3,360	430	603	53	429	*41 / 4.2	14.80	NP	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	16.71	NP	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.80	NP	0.00	101.98	87 18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.42	NP	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.78	NP	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.93	NP	0.00	101.98	86.05

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)					
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	15.55	NP	0.00	101.98	86.43
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	15.55	NP	0.00	101.98	86.43
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.93	NP	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	16.35	NP	0.00	101.98	85.63
MONITORING WELL #MW-6				*Screen Interval = 7 to 27 feet*							
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

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)					
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	9.65	NP	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	13.10	NP	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	12.35	NP	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	12.30	NP	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	13.45	NP	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	9.65	NP	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.09	NP	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.37	NP	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.27	NP	0.00	100.44	87 17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.07	NP	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.86	NP	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	14.20	NP	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	15.35	NP	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	14.58	NP	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.35	NP	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.80	NP	0.00	100.44	86.64

NOTE:

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

Benzene, toluene, ethlybenzene, and xylene analyzed by EPA method 8020/8021B.

Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline

Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020/8021B

Beginning 7/2003, BTEX and MTBE analyzed by 8260B

TABLE 2
OXYGENATE DATA IN GROUNDWATER
THRIFTY OIL STATION # 063, OAKLAND, CA.

DATE SAMPLED	OXYGENATES			
	Di-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)
MONITORING WELL # MW-1				
10/16/97	<20	<20	<20	3,900
01/07/98	<20	<20	92	<500
04/03/98	<20	<20	65	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	15	487
MONITORING WELL # MW-2				
10/16/97	<20	<20	<20	<500
MONITORING WELL # MW-3 (GROUNDWATER SYSTEM'S PUMPING WELL)				
10/16/97	-	-	-	-
01/07/98	-	-	-	-
04/03/98	-	-	-	-
07/14/03	<0.29	<0.17	24	608
10/08/03	<0.29	<0.17	30	<10
MONITORING WELL # MW-4				
10/16/97	<20	<20	<20	14,000
01/07/98	<20	<20	230	<500
04/03/98	<200	<200	<200	<5,000
07/14/03	<0.29	<0.17	62	2,490
10/08/03	<2.9	<1.7	101	<100
MONITORING WELL # MW-5				
10/16/97	<20	<20	<20	4,700
01/07/98	<20	<20	<20	<500
04/03/98	<20	<20	<20	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10
MONITORING WELL # MW-6				
10/16/97	<20	<20	<20	<500
01/07/98	<20	<20	40	<500
04/03/98	-	-	-	-
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10

NOTE: DIPE, ETBE, TAME, TBA analyzed by EPA Method 8260/8260B

TABLE 3
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	-
7/13/92	197,890	196,221	-	Sytem shut down for repair of electrical motor											

TABLE 3
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
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	405	<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	357,993	-	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	-
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	176	150	<0 3	<0 3	<0 3	<0 5	-	450	0 31	<0 3	<0 3	<0.5	-

TABLE 3
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
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	890	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-	-	-
02/09/98		736,247	-	System shut down due to the UST replacement and station remodeling											
02/17/98		736,247	-	<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	-	736,247	-	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	-	746,199	-	System shut down for flowmeter replacement											-
12/01/98	0 0	746,199	-	Restart the system with flowmeter at 000											-

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				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
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	-	761,219	-	System was undergoing maintenance for the compressor											-
01/20/99	-	761,219	-	<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	848,059	1,080	-	-	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560	862,459	435	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	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	945,539	1,128	-	-	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	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	1,015,109	540	Shut down system for replacement of carbon drums											
04/18/01	169,210	1,015,109	-	Restart system											
04/23/01	177,140	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	1,032,699	1,073	Shut down system for carbon change											
05/18/01	186,900	1,032,799	6	Restart system											
05/30/01	200,850	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

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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
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	860	<50	<0 18	<0 14	<0 18	<0 26	<0.24	748	15	<0 14	2	2 7	1,440
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0 18	<0 14	<0 18	<0 26	<0.24	956	1 2	<0 14	<0 18	<0 26	878
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0 14	<0 18	<0 26	<0 24	232	1	1	<0 18	<0 26	363
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0 18	<0 14	<0 18	<0 26	<0 24	105	<0 18	<0 14	<0 18	<0 26	157
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-	-	-
05/06/02	895,920	1,741,819	1	System off; Restart						-	-	-	-	-	-
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,775,029	-	-	<0 5	< 0 7	< 0 8	< 3 3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
06/03/02	993,740	1,839,639	3,077	<50	<0 18	<0 14	<0 18	<0.26	<0 24	Split-sample results (sample collected by us)					
06/24/02	1,001,590	1,847,489	374	-	-	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0 18	<0 14	<0 18	<0 26	<0 24	4,710	1	1 2	<0 18	2	6,980
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change						-	-	-	-	-	-
08/16/02	1,052,820	1,898,719	-	Restart											
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,914,949	-	-	<0 5	<0 7	<0 8	<3 3		Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
09/20/02	1,106,410	1,952,309	1,779	<50	<0 1	<0.15	<0 06	-	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)					
09/30/02	1,110,180	1,956,079	377	-	-	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0 18	<0.14	<0.18	<0 26	<0 24	128	<0 18	<0 14	<0 18	<0 26	95
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1 2	<0 08	2 4	<2 0	9,860	<1 4	29	14	2,420	205
01/13/03	1,189,320	2,035,219	959	Shut down for QWS											
01/15/03	1,189,320	2,035,219	-	Restart											
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off	-	-	-	-	-	-	-	-	-	-	-
03/28/03	1,257,710	2,103,609	-	Restart	-	-	-	-	-	-	-	-	-	-	-
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0 04	2 2	<0 02	<0.06	<0 03	14,000	20	20	2 2	14	9,090
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS											
04/16/03	1,294,080	2,139,979	10	Restart	-	-	-	-	-	-	-	-	-	-	-
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-	-	-
04/28/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change			-	-	-	-	-	-	-	-	-

TABLE 3
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
05/07/03	1,302,710	2 148,609	-	Restart	-	-	-	-	-	-	-	-	-	-	-
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2 164,359	2,176	-	-	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS		-	-	-	-	-	-	-	-	-	-
07/15/03	1,369,730	2,215,629	-	Restart	-	-	-	-	-	-	-	-	-	-	-
07/21/03	1,382,630	2,228,529	2,150	<15	<0 04	1 0	<0 02	<0 06	<0 03	7,710	<0 04	<0 02	<0 02	<0 06	3,550
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change			-	-	-	-	-	-	-	-	-
08/29/03	1,411,560	2,257,459	3	Restart	-	-	-	-	-	-	-	-	-	-	-
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-	-	-
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-	-	-
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-	-	-
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer											
09/26/03	1,429,700	2,275,599	-	Restart											
09/29/03	1,430,560	2,276,459	287												
10/06/03	1,431,140	2,277,039	83	System shut down for QWS						-	-	-	-	-	-
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	-	-	-	-	-	-
10/10/03	-	2,277,039	-	Sample results from EBMUD not received yet						Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/10/03	1,432,290	2,278,189	575	<15	<0 04	<0 02	<0.02	<0 06	<0 03	16,200	<0.04	4 4	4 8	46	8,700
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	-	-	-	-	-	-
10/22/03	-	2,279,689	-	Sample results from EBMUD not received yet						Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0 02	<0.02	<0 06	<0 03	Split-sample results (sample collected by us)					
10/27/03	1,435,610	2,281,509	204	-	-	-	-	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-	-	-	-	-	-
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-	-	-
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	-	-	-
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-	-	-	-
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-	-	-	-	-	-	-	-
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

FIGURES

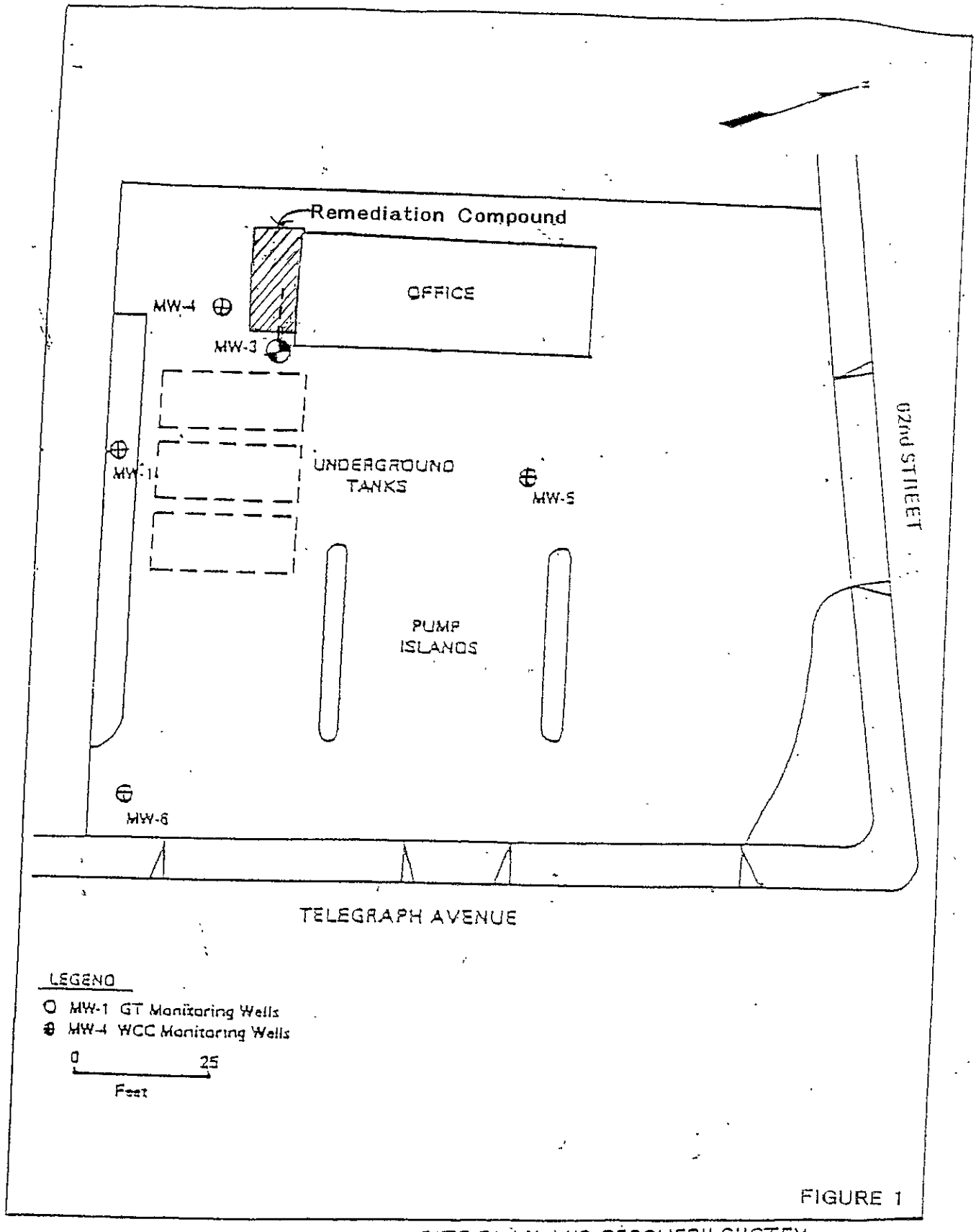

FIGURE 1

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

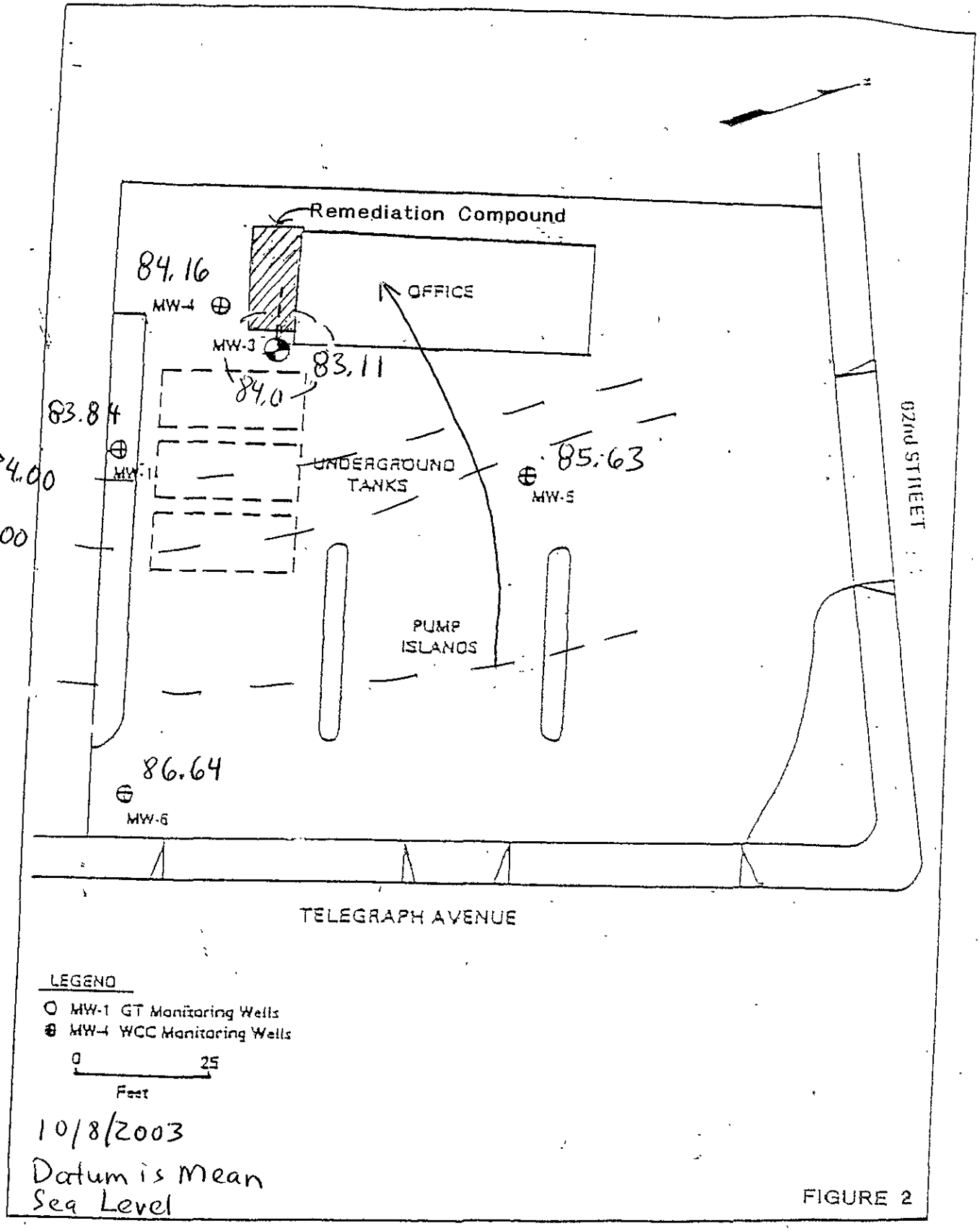

FIGURE 2

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

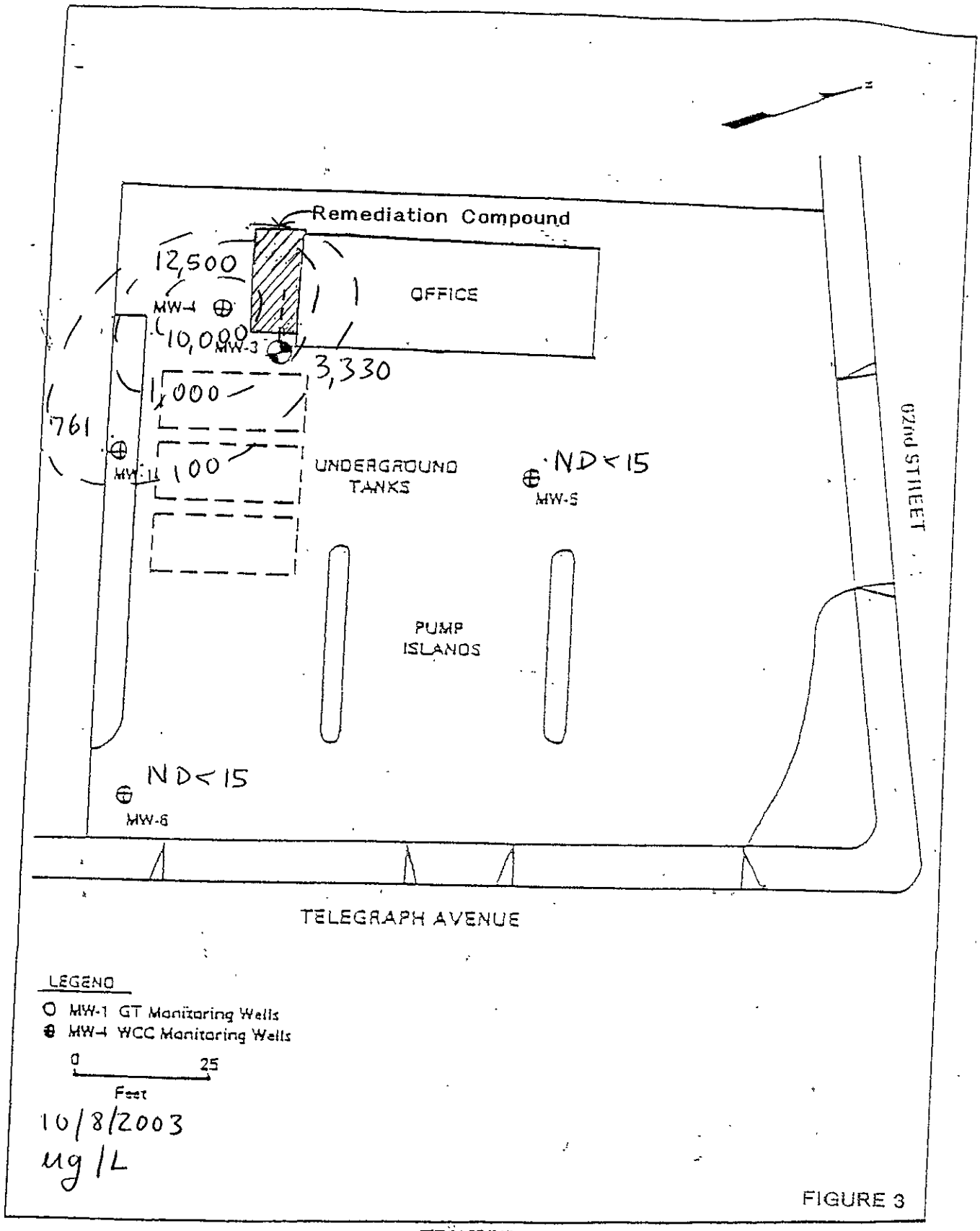

FIGURE 3

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

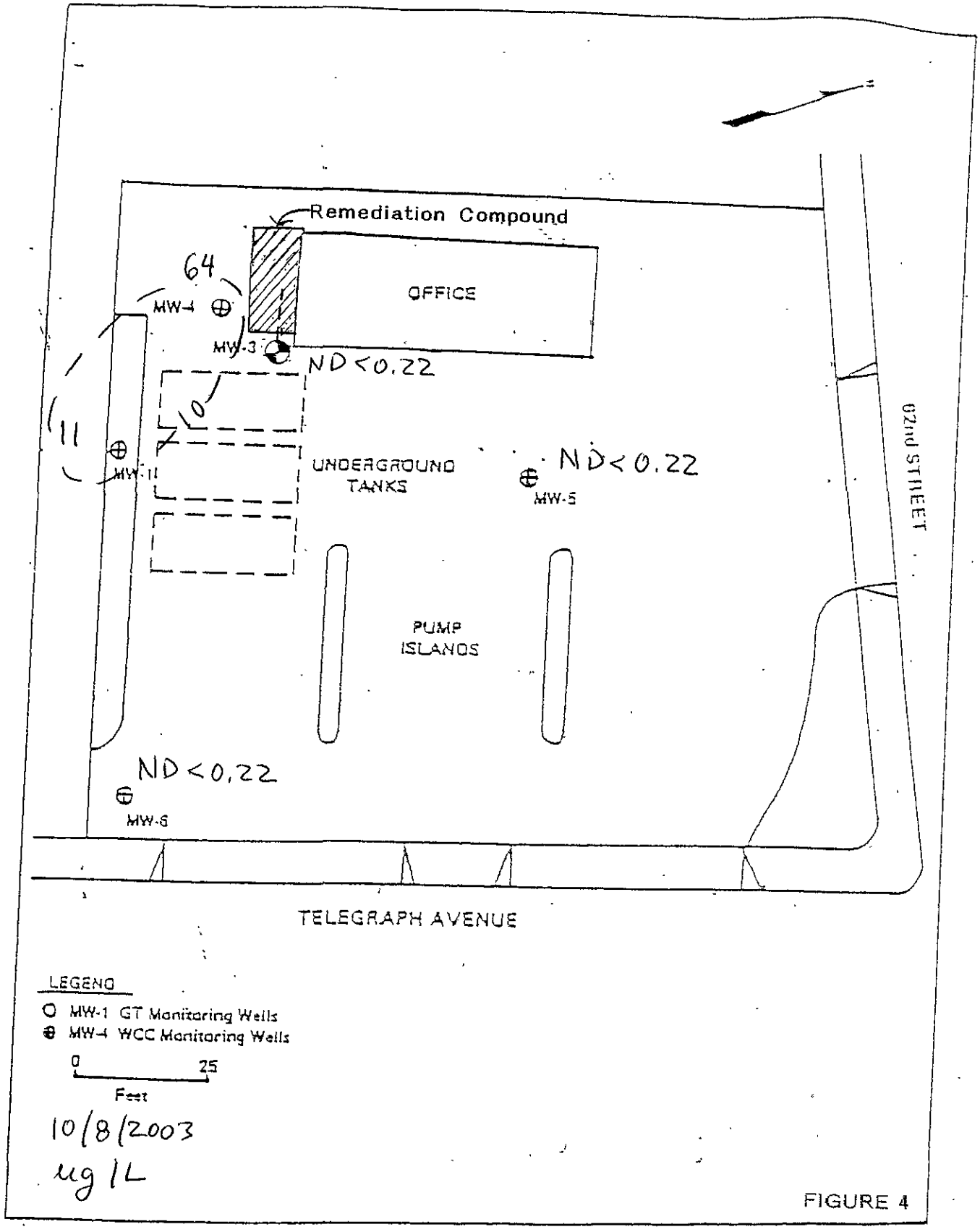

FIGURE 4

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

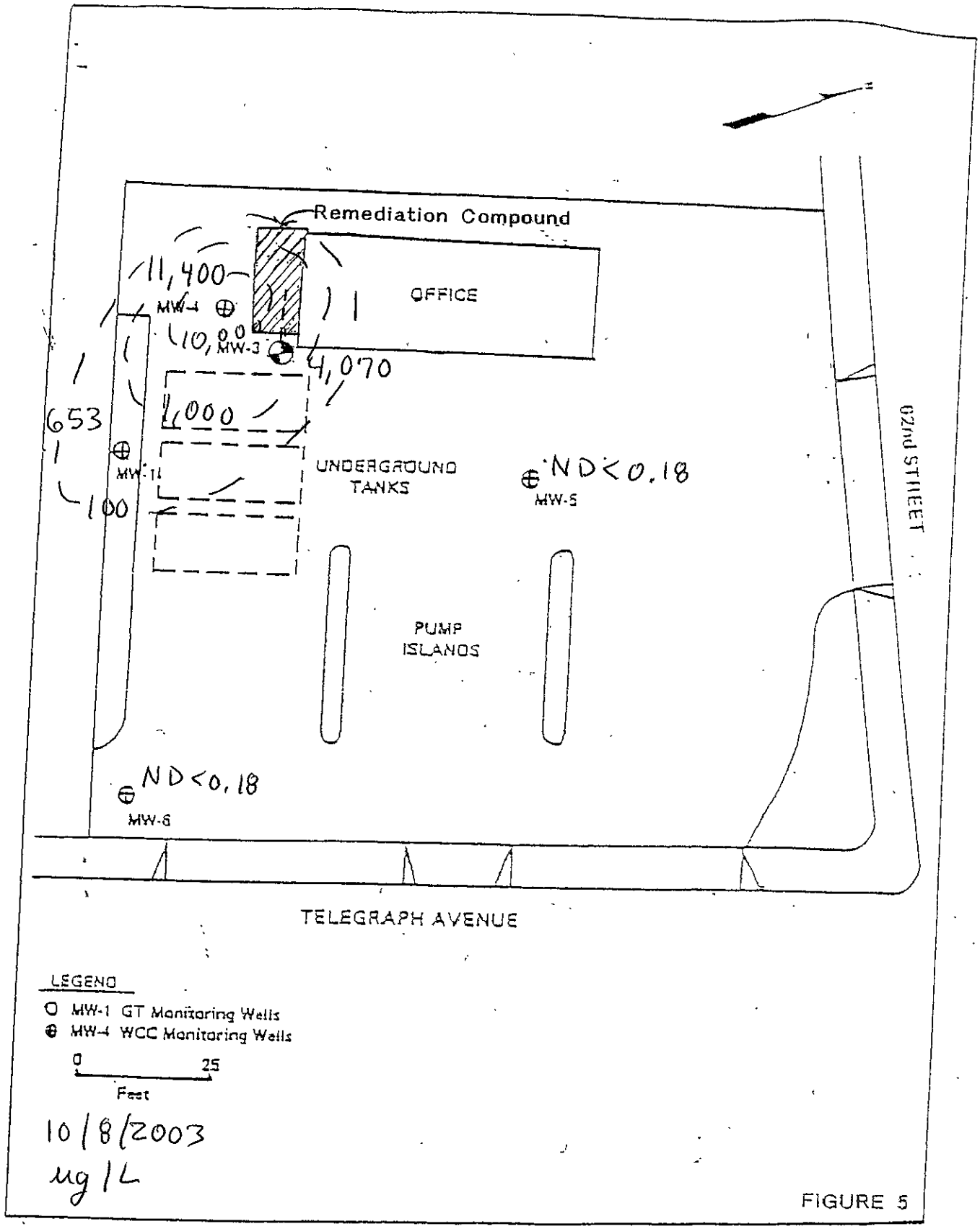

FIGURE 5

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

APPENDIX A

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #063
6125 TELEGRAPH AVENUE
OAKLAND, CA 94609
DATE: 10-08-03

OBSERVATION WELLS

NO:	DTW	DTP	PT		DTB	DIA.	ODORS			F/P			
MONTHLY							YES	NO	S	YES	NO		
MW-1	15.50				28.96	2"		X			X	-	-
												-	-
MW3	16.65				28.20	6"		X			X	-	-
MW-4	16.32				29.08	2"		X			X	-	-
MW-5	16.35				26.23	4"		X			X	-	-
MW-6	13.80				26.80	4"		X			X		

EXPLANATION-

DTW - DEPTH TO WATER FROM SURFACE
DTP - DEPTH TO PRODUCT FROM SURFACE
PT - PRODUCT THICKNESS
S - SLIGHT
MEASUREMENTS IN FEET

REMARKS: Q. W. S.

FREE PRODUCT REMOVED: APPROX. ___ GALLONS
WATER REMOVED: APPROX. 142 GALLONS

DATA RECORDED BY: [signature]
INPUT BY: Carrie

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-08-03
Address:			
Personnel:	SERBAN,	Weather:	SUNNY DAY
Well No:	MW-1	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	28.96	Well Diameter	2"
Depth to Water (ft)	15.50	Est. Purge Volume:	8

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	12:06	12:08	12:10	12:13	12:15	12:18	12:20
EC	1230	1240	1270	1250	1240	1230	1240
pH	5.31	5.33	5.39	5.41	5.39	5.33	5.31
Temp	71.3	71.1	70.8	70.7	70.5	70.6	70.4
Gal.	1	2	3	4	5	6	8

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	18.09	Total Well Depth(ft).	28.96

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-08-03
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-3	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	28.20	Well Diameter	6"
Depth to Water (ft)	16.65	Est. Purge Volume:	67

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:45	10:55	11:07	11:19	11:31	11:44	12:00
EC	1670	1690	1680	1670	1690	1670	1690
pH	6.48	6.42	6.38	6.39	6.37	6.39	6.38
Temp	71.4	71.3	71.1	70.8	70.6	70.7	70.7
Gal.	9	19	28	38	47	57	67

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	19.07	Total Well Depth(ft).	28.20

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-08-03
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.23	Well Diameter	4"
Depth to Water (ft)	16.35	Est. Purge Volume:	25

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:15	10:20	10:23	10:27	10:30	10:35	10:40
EC	1740	1720	1740	1740	1720	1760	1760
pH	5.54	5.48	5.42	5.38	5.39	5.42	5.38
Temp	72.3	72.3	72.1	71.9	71.7	71.6	71.4
Gal.	3	7	10	14	17	21	25

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	18.31	Total Well Depth(ft).	26.23

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-08-03
Address:			
Personnel:	SERBAN,	Weather:	SUNNY DAY
Well No:	MW-4	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	29.08	Well Diameter	2"
Depth to Water (ft)	16.32	Est. Purge Volume:	8

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	12:33	12:36	12:39	12:41	12:44	12:47	12:50
EC	1690	1680	1710	1730	1710	1720	1730
pH	6.28	6.30	6.26	6.32	6.30	6.28	6.32
Temp	71.3	70.1	70.8	70.8	70.6	70.4	70.4
Gal.	1	2	3	4	5	6	8

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	19.04	Total Well Depth(ft).	29.08

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	063	Date:	10-08-03
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	26.80	Well Diameter	4"
Depth to Water (ft)	13.80	Est. Purge Volume:	33

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:28	9:34	9:40	9:44	9:49	9:54	10:00
EC	1770	1760	1750	1760	1770	1770	1760
pH	5.32	5.31	5.30	5.32	5.25	5.29	5.29
Temp	72.3	72.1	71.8	71.6	71.5	71.4	71.3
Gal.	4	9	14	18	23	28	33

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	17.04	Total Well Depth(ft).	26.80

APPENDIX B

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

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 118182
REPORTED 10/20/2003
RECEIVED 10/11/2003

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
469811	TOC #063, MW-6
469812	TOC #063, MW-5
469813	TOC #063, MW-3
469814	TOC #063, MW-1
469815	TOC #063, MW-4
469816	TOC #063, Trip Blank
469817	Laboratory Method 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 #: 469811
Matrix: WATER

Client Sample ID TOC #063, MW-6
Date Sampled: 10/08/2003 **Time Sampled:** 15:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	10/17/03 LB
Ethyl benzene	ND	1	5	0.31	ug/L	10/17/03 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/17/03 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/17/03 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	10/17/03 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/17/03 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/17/03 LB
Toluene	ND	1	5	0.32	ug/L	10/17/03 LB
Xylenes, total	ND	1	5	0.4	ug/L	10/17/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 130
Surr3 - Toluene-d8	101				%	70 - 130
Surr4 - p-Bromofluorobenzene	103				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	94				%	55 - 200

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

Order #: 469812
Matrix: WATER

Client Sample ID: TOC #063, MW-5
Date Sampled: 10/08/2003 **Time Sampled:** 15:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	10/17/03 LB
Ethyl benzene	ND	1	5	0.31	ug/L	10/17/03 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/17/03 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/17/03 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	10/17/03 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/17/03 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/17/03 LB
Toluene	ND	1	5	0.32	ug/L	10/17/03 LB
Xylenes, total	ND	1	5	0.4	ug/L	10/17/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	111				%	70 - 130
Surr3 - Toluene-d8	102				%	70 - 130
Surr4 - p-Bromofluorobenzene	102				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	104				%	55 - 200

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

Order #: 469813
Matrix: WATER

Client Sample ID: TOC #063, MW-3
Date Sampled: 10/08/2003 **Time Sampled:** 15:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	10/17/03 LB
Ethyl benzene	ND	1	5	0.31	ug/L	10/17/03 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/17/03 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/17/03 LB
Methyl-tert-butylether (MTBE)	4070	25	25.0	0.18	ug/L	10/18/03 LB
Tert-amylmethylether (TAME)	30	1	1	0.28	ug/L	10/17/03 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/17/03 LB
Toluene	ND	1	5	0.32	ug/L	10/17/03 LB
Xylenes, total	ND	1	5	0.4	ug/L	10/17/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 130
Surr3 - Toluene-d8	108				%	70 - 130
Surr4 - p-Bromofluorobenzene	107				%	70 - 130
8015M - Gasoline						
Gasoline	3330	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	107				%	55 - 200

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

Order #: 469814
Matrix: WATER

Client Sample ID TOC #063, MW-1
Date Sampled: 10/08/2003 **Time Sampled:** 15:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	11	1	1	0.22	ug/L	10/18/03 LB
Ethyl benzene	1.4 J	1	5	0.31	ug/L	10/18/03 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/18/03 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/18/03 LB
Methyl-tert-butylether (MTBE)	653	1	1	0.18	ug/L	10/18/03 LB
Tert-amylmethylether (TAME)	15	1	1	0.28	ug/L	10/18/03 LB
Tertiary butyl alcohol (TBA)	487	1	10	10	ug/L	10/18/03 LB
Toluene	ND	1	5	0.32	ug/L	10/18/03 LB
Xylenes, total	2.9 J	1	5	0.4	ug/L	10/18/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	111				%	70 - 130
Surr3 - Toluene-d8	107				%	70 - 130
Surr4 - p-Bromofluorobenzene	115				%	70 - 130
8015M - Gasoline						
Gasoline	761	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	115				%	55 - 200

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

Order #: 469815
Matrix: WATER

Client Sample ID: TOC #063, MW-4
Date Sampled: 10/08/2003 **Time Sampled:** 15:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	64	10	10.0	0.22	ug/L	10/18/03 LB
Ethyl benzene	359	10	50.0	0.31	ug/L	10/18/03 LB
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	10/18/03 LB
Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	10/18/03 LB
Methyl-tert-butylether (MTBE)	11400	100	100.0	0.18	ug/L	10/19/03 LB
Tert-amylmethylether (TAME)	101	10	10.0	0.28	ug/L	10/18/03 LB
Tertiary butyl alcohol (TBA)	ND	10	100.0	10	ug/L	10/18/03 LB
Toluene	ND	10	50.0	0.32	ug/L	10/18/03 LB
Xylenes, total	24 J	10	50.0	0.4	ug/L	10/18/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 130
Surr3 - Toluene-d8	106				%	70 - 130
Surr4 - p-Bromofluorobenzene	107				%	70 - 130
8015M - Gasoline						
Gasoline	12500	10	500.0	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	110				%	55 - 200

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

Order #: 469816
Matrix: WATER

Client Sample ID TOC #063, Trip Blank
Date Sampled: 10/08/2003 **Time Sampled:** 15:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/14/03 LZ
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/14/03 LZ
Toluene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Xylene (total)	ND	1	0.6	0.06	ug/L	10/14/03 LZ
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	92				%	55 - 200

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

Order #: 469817 **Client Sample ID**: Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/14/03 LZ
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/14/03 LZ
Toluene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Xylene (total)	ND	1	0.6	0.06	ug/L	10/14/03 LZ
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	10/16/03 LB
Ethyl benzene	ND	1	5	0.31	ug/L	10/16/03 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/16/03 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/16/03 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	10/16/03 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/16/03 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/16/03 LB
Toluene	ND	1	5	0.32	ug/L	10/16/03 LB
Xylenes, total	ND	1	5	0.4	ug/L	10/16/03 LB
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	93				%	55 - 200

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: LCS / LCSD

Matrix: WATER

Prep. Date: 10/14/03

Analysis Date: 10/14/03-10/15/03

ID#'s in Batch: LR 118182, 118181, 118020, 118206

Reporting Units = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

			PREP BLK					
			Value	Result	True	%Rec	L.Limit	H.Limit
Test	**Method**	LCS	ND	505	500	101	80%	120%
TPH	8015M-G	LCSD	ND	502	500	100	80%	120%

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

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	*55-200*
Method Blank	93
LCS	161
LCSD	165

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS / LCSD

Matrix: WATER

Prep. Date: 10/14/03

Analysis Date: 10/14/03-10/15/03

LAB ID#'s in Batch: LR 118182, 118181, 118020, 118206

REPORTING UNITS = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK	LCS			LCSD	
		Value	Result	TRUE	%Rec	Result	%Rec
Benzene	8021	ND	17.3	20	87	17.6	88
Toluene	8021	ND	19.9	20	100	20.2	101
Ethylbenzene	8021	ND	21.0	20	105	21.2	106
Xylenes	8021	ND	63.4	60	106	64.0	107

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

L.Limit	*H.Limit*
80%	*120%*

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	93
LCS	107
LCSD	106

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: 10/19/03

Applies to: LR 118198, 118182

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	42.51	46.23	85	92	8	22	59-172
MTBE	ND	50	39.80	43.64	80	87	9	24	62-137
Benzene	ND	50	43.07	45.40	86	91	5	24	62-137
Trichloroethene	ND	50	43.39	47.87	87	96	10	21	66-142
Toluene	ND	50	45.29	46.56	91	93	3	21	59-139
Chlorobenzene	ND	50	42.78	45.57	86	91	6	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compounds	DBFM	1,2-DCA	Tol-d8	p-BFB
LCS	96	99	101	103
LCSD	99	106	104	101
BLANK # 6	98	110	106	105

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: 10/18/03

Applies to: LR 118182

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	44.91	43.45	90	87	3	22	59-172
MTBE	ND	50	42.84	43.67	86	87	2	24	62-137
Benzene	ND	50	44.69	43.63	89	87	2	24	62-137
Trichloroethene	ND	50	48.66	48.03	97	96	1	21	66-142
Toluene	ND	50	48.63	46.84	97	94	4	21	59-139
Chlorobenzene	ND	50	48.13	45.72	96	91	5	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compounds	DBFM	1,2-DCA	Tol-d8	p-BFB
LCS	99	105	107	102
LCSD	100	107	105	103
BLANK # 4	97	109	108	105

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: 10/17/03

Applies to: LR 118182

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	45.84	45.38	92	91	1	22	59-172
MTBE	ND	50	44.89	45.08	90	90	0	24	62-137
Benzene	ND	50	45.17	46.43	90	93	3	24	62-137
Trichloroethene	ND	50	49.59	48.86	99	98	1	21	66-142
Toluene	ND	50	49.03	47.28	98	95	4	21	59-139
Chlorobenzene	ND	50	48.23	48.26	96	97	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compounds	DBFM	1,2-DCA	Tol-d8	p-BFB
LCS	98	105	104	101
LCSD	101	107	104	101
BLANK # 2	100	109	106	107

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: LCS/LCSD - Water Samples

Analysis Date: 10/16/03

Applies to: LR 118182

Reporting Units = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk. Dup	%Rec LCS	%Rec LCS D	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	ND	50	46.13	46.96	92	94	2	22	59-172
MTBE	ND	50	44.45	45.72	89	91	3	24	62-137
Benzene	ND	50	46.13	46.23	92	92	0	24	62-137
Trichloroethene	ND	50	45.97	47.54	92	95	3	21	66-142
Toluene	ND	50	46.64	47.50	93	95	2	21	59-139
Chlorobenzene	ND	50	46.74	46.89	93	94	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compounds	DBFM	1,2-DCA	Tol-d8	p-BFB
LCS	100	104	102	105
LCSD	100	103	103	102
BLANK # 2	99	108	99	106

Phone: (714) 771-6900 • Fax: (714) [illegible]

Chain of Custody Record

A.L. Job No. 118182

Page 1 of 1

Company	THRIFTY OIL CO	Phone	(562) 921-3581
Project Manager	JEFF DURYAKUSUMA	Fax	(562) 921-7510
Project Name	Q. W. S.	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND, 94609		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1	MW-6		10-08-03	15:00	H_2O	3 VOA	HCL
2	MW-5			15:10			
3	MW-3			15:20			
4	MW-1			15:30			
5	MW-4			15:45			
6	TRIP BLANK			15:00		2 VOA	HCL
7							
8							
9							
10							
11							
12							
13							
14							
15							

Analysis Requested

TPH (8015M)	BTEX (8020)	BTEX + OXYGENATES (8260)
X	X	X
X	X	X
X	X	X
X	X	X
X	X	

Test Instructions & Comments

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	17	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: THRIFTY	Relinquished by GOLDEN STATE	Relinquished by
Signature: [signature]	Signature: OVERNIGHT	Signature:
Printed Name: [illegible]	Printed Name:	Printed Name:
Date: 10-10-03 Time: 17:30	Date: Time:	Date: Time:
Received By: GOLDEN STATE	Received By:	Received By:
Signature: OVERNIGHT	Signature: Kristen Endler	Signature:
Printed Name:	Printed Name: Kristen Endler	Printed Name:
Date: Time	Date: 10/11 Time: 8:40	Date: 10-10-03 Time: 2:50

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

APPENDIX C

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: #663
ADDR: 6125 TELEGRAPH AVE.
OAKLAND, 94609
DATE: 12-06-03
PERSON: SERBAN,

Remediation System Type: ☐ AS ☐ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		1431140	FOR G.W.S.
FPR	FP Recovery					
O	Other:					

UTILITIES:
Electrical Meter:
Nat. gas Meter:
Propane Tank Level:

OTHER NOTES:
SYSTEM WAS SHUTDOWN, BECAUSE SOMEBODY DON'T TURN ON THE SWITCH BACK, AFTER THEY DO SAME CONSTRACTION WORK INSIDE BUILDING.

ALWAYS OBSERVE SAFETY PROCEDURES!

8/13/2003

063

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERRATOPETEU

DATE OF INSPECTION: 09-29-03

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, CLEAN WATER FILTER BAG, REPLACE CARTRIGE WATER FILTER, DRAIN COMPRESSOR TANK, CHECK HOSSES AND DRUMS FOR LEAKING,

FLOW METER READING: -1430560-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

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

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

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

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

063

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
COMPLAIN ~~ABOUT~~ NOISE FROM COMPRESSOR

C) NAME OF REPORTING PARTY AND DATE:
D) DATE SCHEDULED : 09-26-03

1) NAME: DATE/TIME
2) FINDINGS:
BECAUSE NOISE FROM COMPRESSOR, WE MUST USED TIMER AND OVERNIGTH THE SYSTEM WILL BE SHUT DOWN

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:
Restarted system.
1429700

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: INSTAL 24 H. TIMER FOR COMPRESSOR (7:00AM – 7:00PM)

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

NAME OF INSPECTOR: SERBANDOPRADU

DATE OF INSPECTION: 09-22-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, CLEAN WATER FILTER BAG, REPLACE CARTRIGE WATER FILTER

FLOW METER READING: -1429700-

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: 0.8

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

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: #063
ADDR:

DATE: 04-22-03
PERSON: SERBAN

Remediation System Type: ☐ AS ☐ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓			FOR INSTALL 24 HOUR TIMER
FPR	FP Recovery					
O	Other:					

UTILITIES:

Electrical Meter:

Nat. gas Meter:

Propane Tank Level:

OTHER NOTES:

I WAS READY TO GO HOME AT 15:30 P.M., WHEN THE MANAGER FROM THIS STATION WAS COME TO WORK TELL ME THEY HAVE COMPLAIN ABOUT NOISE FROM COMPRESSOR. I CALL OFFICE AND I WAS INFORM TO SHUT DOWN FOR CORRECT THE DEFICIENCIES.

COMPLAIN PERSONS: PETE (510) 547-2009
WEBSTER (510) 547-3139

ALWAYS OBSERVE SAFETY PROCEDURES!

-063

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

NAME OF INSPECTOR: JERBAN POPESCU

DATE OF INSPECTION: 09-15-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, REPLACE WATER FILTER CARTRIDGE, DRAIN COMPRESSOR TANK, CHECK HOSES AND CARBON DRUMS FOR LEAKING, CLEAN WATER FILTER BAG,

FLOW METER READING: — 142 7810 —

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: JERBARPOPESCU

DATE OF INSPECTION: 09-12-03

OBSERVATIONS AND COMMENTS: CLEAN WATER FILTER BAG, REPLACE CARTRIDGE WATER FILTER, DRAIN COMPRESSOR TANK, CHECK HOSES AND DRUMS FOR LEAKING

FLOW METER READING: 1423520

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]

063

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

NAME OF INSPECTOR: SERBANPOPESCU

DATE OF INSPECTION: 09.03.03

OBSERVATIONS AND COMMENTS: CHECK, BELT, HOSSES CONNECTIONS, DRUMS FOR LOADING, REPLACE CARTRIGE FOR WATER FILTER, CLEAN WATER FILTER BAG,

FLOW METER READING: -1419210-

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: 1.2

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]

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #063
6125 TELEGRAPH AVENUE
OAKLAND, CA 94609
DATE: 11-14-03

OBSERVATION WELLS

NO:	DTW	DTP	PT		DTB	DIA.	ODORS			F/P			
	MONTHLY						YES	NO	S	YES	NO		
MW-1	18.37				28.96	2"		X			X	-	-
												-	-
MW3	20.41				28.20	6"		X			X	-	-
MW-4	19.35				29.08	2"		X			X	-	-
MW-5	15.90				26.23	4"		X			X	-	-
MW-6	13.72				26.80	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: Monitoring wells
FREE PRODUCT REMOVED: APPROX. ___ GALLONS
WATER REMOVED: APPROX. ___ GALLONS
DATA RECORDED BY: [signature]
INPUT BY: Carrie

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

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-03-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, HOSSES, DRAIN COMPRESSOR TANK, REPLACE CARTRIDGE WATER FILTER, CLEAN WATER FILTER BAG, CHECK TIMER, REPLACE ONE HOSE INSIDE TITE BOX, WAS LEAKING,

FLOW METER READING: -1438740-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE: S Popescu

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAPOPEZ

DATE OF INSPECTION: 10-27-03

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRAIN COMPRESSOR TANK, CHECK PUMP FROM MW-3, CHECK TIMER, REPLACE CARTRIGE WATER FILTER, CLEAN WATER FILTER BAG

FLOW METER READING: -143560-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

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

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

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

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 10-22-03

OBSERVATIONS AND
COMMENTS: CLEAN WATER FILTER BAG, DRAIN COMPRESSOR TANK, CHECK BELT, OIL, HOSES CONNECTIONS

FLOW METER READING: – 1434590 –

SAMPLES OBTAINED: SPLIT OUTLET WITH INSPECTOR FROM CITY

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: 1.0

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

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

INSPECTOR'S SIGNATURE: DStoyer

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBANOPESCU

DATE OF INSPECTION: 10-17-03

OBSERVATIONS AND COMMENTS: CHECK BELT, OIL, REPLACE CARTRIDGE WATER FILTER, CLEAN BAG FILTER, DRAIN COMPRESSOR TANK, CHECK TIMER,

FLOW METER READING: 1433790

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

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

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

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

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: #063
ADDR: 6125 TELEGRAPH AVE.
OAKLAND, 94609
DATE: 10-10-03
PERSON: SERBAN P.

Remediation System Type: ☐ AS ☐ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment	✓			1432290	RESTART AFTER Q.W.S. ON 10/8/03
FPR	FP Recovery					
O	Other:					

UTILITIES:
Electrical Meter:
Nat. gas Meter:
Propane Tank Level:

OTHER NOTES:
TAKE MONTHLY WATER SAMPLE FROM SYSTEM. INSPECTOR FROM E.B.M.U.D. TAKE WATER SAMPLE FROM OUTLET.

ALWAYS OBSERVE SAFETY PROCEDURES!

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

NAME OF INSPECTOR: SERRATOR'S CO

DATE OF INSPECTION: 12-09-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, REPLACE CARTRIDGE WATER FILTER, DRAIN COMPRESSOR TANK, CHECK AIR FILTERS AND FILTER FROM BOWL DRAINS ON THE THREE STAGE REGULATOR, CHECK TIMER, NEED REPLACE MW-5 WELL COVER.

FLOW METER READING: 1458320

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN OPESCU

DATE OF INSPECTION: 12-05-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, HOSES, TIMER, CLEAN WATER FILTER BAG, REPLACE CARTRIDGE WATER FILTER,

FLOW METER READING: — 1452400 —

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: 0.8

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

INSPECTOR'S SIGNATURE: S Stoica

(063)

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBANPOPESCU

DATE OF INSPECTION: 11-21-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, DRAIN WATER FROM COMPRESSOR TANK, CLEAN WATER FILTER BAG, CHECK TIMER, REPLACE CARTRIDGE WATER FILTER

FLOW METER READING: 1447510

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE: [signature]

THRIFTY OIL CO. SERVICE STATION #063

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 11-14-03

OBSERVATIONS AND COMMENTS: ADD OIL, CHECK BELT, HOSSES CONNECTIONS, DRAIN COMPRESSOR TANK, CLEAN WATER FILTER BAG, CHECK TIMER, MONITORING WELLS,

FLOW METER READING: -1443620-

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: 0.9

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

INSPECTOR'S SIGNATURE: [signature]

APPENDIX D

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 118775

REPORTED 10/31/2003

RECEIVED 10/24/2003

PROJECT TOC #063

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
472771	TOC #063 Outlet
472772	Laboratory Method 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 #: 472771
Matrix: WATER

Client Sample ID: TOC #063 Outlet
Date Sampled: 10/22/2003 **Time Sampled:** 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/29/03 LB
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/29/03 LB
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/29/03 LB
Toluene	ND	1	0.3	0.02	ug/L	10/29/03 LB
Xylene (total)	ND	1	0.6	0.06	ug/L	10/29/03 LB
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/29/03 LB
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	85				%	55 - 200

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

Order #: 472772 **Client Sample ID**: Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/29/03 LB
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/29/03 LB
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/29/03 LB
Toluene	ND	1	0.3	0.02	ug/L	10/29/03 LB
Xylene (total)	ND	1	0.6	0.06	ug/L	10/29/03 LB
8015M - Gasoline						
Gasoline	85	1	50	15	ug/L	10/29/03 LB
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	ND				%	55 - 200

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: LCS / LCSD

Matrix: WATER

Prep. Date: 10/28/03

Analysis Date: 10/28/03-10/29/03

ID#'s in Batch: LR 118705, 118791, 118792, 118768, 118775, 118828

Reporting Units = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

			PREP BLK					
			Value	Result	True	%Rec	L.Limit	H.Limit
Test	Method	LCS	ND	503	500	101	80%	120%
TPH	8015M-G	LCSD	ND	473	500	95	80%	120%

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

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	**55-200**
Method Blank	85
LCS	143
LCSD	141

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS / LCSD

Matrix: WATER

Prep. Date: 10/28/03

Analysis Date: 10/28/03-10/29/03

LAB ID#'s in Batch: LR 118792, 118775, 118768

REPORTING UNITS = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK	LCS			LCSD	
		Value	Result	TRUE	%Rec	Result	%Rec
Benzene	8021	ND	18.8	20	94	17.8	89
Toluene	8021	ND	20.7	20	104	19.9	100
Ethylbenzene	8021	ND	23.0	20	115	22.4	112
Xylenes	8021	ND	66.1	60	110	63.2	105

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

L.Limit	H.Limit
80%	120%

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	85
LCS	95
LCSD	94

AAA-TFT = a,a,a-Trifluorotoluene

Chain of Custody Record

11875

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 BURYAKUSUMA | Fax: (562) 921-7510
Project Name: SPLIT SAMPLE | Project #: 063
Site Name and Address:

A.L. Job No.

Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1	OUTLET		10-22-03	10:30	H_2O	3 VOA	HCL
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Analysis Requested

TPH	BTEX	MTBE
X	X	X

Test Instructions & Comments

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.

Relinquished by Sampler: THRIFTY 1.	Relinquished by GOLDEN STATE 2.	Relinquished by 3.
Signature:	Signature: OVERNIGHT	Signature:
Printed Name: SERBANDPESCU	Printed Name:	Printed Name:
Date: 10-22-03 Time: 17:30	Date: Time:	Date: Time:
Received By: GOLDEN STATE 1.	Received By: 2.	Received By: 3.
Signature: OVERNIGHT	Signature:	Signature:
Printed Name:	Printed Name: Ryan Lewis	Printed Name:
Date: Time:	Date: 10/24/03 Time: 10:40	Date: 10-27-03 Time: 1:40

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 Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 118181
REPORTED 10/21/2003
RECEIVED 10/11/2003

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
469805	TOC #063, Outlet PSP #1
469806	TOC #063, Int-1
469807	TOC #063, Int-2
469808	TOC #063, Int-3
469809	TOC #063, Inlet
469810	Laboratory Method 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 #: 469805 **Client Sample ID** TOC #063, Outlet PSP #1
Matrix: WATER **Date Sampled:** 10/10/2003 **Time Sampled:** 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/15/03 LZ
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/15/03 LZ
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/15/03 LZ
Toluene	ND	1	0.3	0.02	ug/L	10/15/03 LZ
Xylene (total)	ND	1	0.6	0.06	ug/L	10/15/03 LZ
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/15/03 LZ

Surrogates		Units	Control Limits
a,a,a-Trifluorotoluene	96	%	55 - 200

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

Order #: 469806
Matrix: WATER

Client Sample ID. TOC #063, Int-1
Date Sampled: 10/10/2003 **Time Sampled:** 10:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/15/03 LZ
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/15/03 LZ
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/15/03 LZ
Toluene	ND	1	0.3	0.02	ug/L	10/15/03 LZ
Xylene (total)	ND	1	0.6	0.06	ug/L	10/15/03 LZ
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/15/03 LZ

Surrogates		Units	Control Limits
a,a,a-Trifluorotoluene	100	%	55 - 200

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

Order #: 469807
Matrix: WATER

Client Sample ID: TOC #063, Int-2
Date Sampled: 10/10/2003 **Time Sampled:** 10:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/15/03 LZ
Ethyl benzene	5.4	1	0.3	0.02	ug/L	10/15/03 LZ
Methyl t - butyl ether	108	10	50.0	0.03	ug/L	10/15/03 LZ
Toluene	5.5	1	0.3	0.02	ug/L	10/15/03 LZ
Xylene (total)	57	10	6.0	0.06	ug/L	10/15/03 LZ
8015M - Gasoline						
Gasoline	583	1	50	15	ug/L	10/15/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	182				%	55 - 200

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

Order #: 469808
Matrix: WATER

Client Sample ID. TOC #063, Int-3
Date Sampled: 10/10/2003 **Time Sampled:** 11:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/14/03 LZ
Ethyl benzene	15	10	3.0	0.02	ug/L	10/14/03 LZ
Methyl t - butyl ether	2380	50	250.0	0.03	ug/L	10/14/03 LZ
Toluene	4.9	1	0.3	0.02	ug/L	10/14/03 LZ
Xylene (total)	50	10	6.0	0.06	ug/L	10/14/03 LZ
8015M - Gasoline						
Gasoline	1660	1	50	15	ug/L	10/14/03 LZ

Surrogates		Units	Control Limits
a,a,a-Trifluorotoluene	188	%	55 - 200

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

Order #: 469809
Matrix: WATER

Client Sample ID TOC #063, Inlet
Date Sampled: 10/10/2003 **Time Sampled:** 11:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/14/03 LZ
Ethyl benzene	4.8	1	0.3	0.02	ug/L	10/14/03 LZ
Methyl t - butyl ether	8700	200	1000.0	0.03	ug/L	10/14/03 LZ
Toluene	4.4	1	0.3	0.02	ug/L	10/14/03 LZ
Xylene (total)	46	20	12.0	0.06	ug/L	10/14/03 LZ
8015M - Gasoline						
Gasoline	16200	200	10000.0	15	ug/L	10/14/03 LZ
Surrogates					**Units**	**Control Limits**
a,a,a-Trifluorotoluene	129				%	55 - 200

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

Order #: 469810 **Client Sample ID** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.04	ug/L	10/14/03 LZ
Ethyl benzene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Methyl t - butyl ether	ND	1	5	0.03	ug/L	10/14/03 LZ
Toluene	ND	1	0.3	0.02	ug/L	10/14/03 LZ
Xylene (total)	ND	1	0.6	0.06	ug/L	10/14/03 LZ
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	10/14/03 LZ

Surrogates		Units	Control Limits
a,a,a-Trifluorotoluene	93	%	55 - 200

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: LCS / LCSD

Matrix: WATER

Prep. Date: 10/14/03

Analysis Date: 10/14/03-10/15/03

ID#'s in Batch: LR 118182, 118181, 118020, 118206

Reporting Units = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

			PREP BLK					
			Value	Result	True	%Rec	L.Limit	H.Limit
Test	Method	LCS	ND	505	500	101	80%	120%
TPH	8015M-G	LCSD	ND	502	500	100	80%	120%

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

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	93
LCS	161
LCSD	165

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS / LCSD

Matrix: WATER

Prep. Date: 10/14/03

Analysis Date: 10/14/03-10/15/03

LAB ID#'s in Batch: LR 118182, 118181, 118020, 118206

REPORTING UNITS = mg/L

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP. BLK	LCS			LCSD	
		Value	Result	TRUE	%Rec	Result	%Rec
Benzene	8021	ND	17.3	20	87	17.6	88
Toluene	8021	ND	19.9	20	100	20.2	101
Ethylbenzene	8021	ND	21.0	20	105	21.2	106
Xylenes	8021	ND	63.4	60	106	64.0	107

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

L Limit	*H.Limit*
80%	*120%*

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	93
LCS	107
LCSD	106

AAA-TFT = a,a,a-Trifluorotoluene

Chain of Custody Record

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

Company: THRIFTY OIL CO | Phone: (562) 921-3581 | A.L. Job No. 118181
Project Manager: JEFF PURYEAR/SUMA | Fax: (562) 921-7510 | Page ____ of ____
Project Name: System water sampling | Project #: 063
Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND, CA 94609

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH	BTEX	MTBE	Test Instructions & Comments
1	OUTLET PSP #1		10-10-03	10:30	H_2O	3 VOA	HCL	X	X	X	
2	INT-1			10:40				X	X	X	
3	INT-2			10:50				X	X	X	
4	INT-3			11:00				X	X	X	
5	INLET			11:10				X	X	X	
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	15	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: THRIFTY	GOLDEN STATE	
Signature		OVERNIGHT	
Printed Name	STERRA PUP		
Date / Time	10-10-03 / 17:30	/	/
Received By	GOLDEN STATE		
Signature	OVERNIGHT	Kristen Endla	
Printed Name		Kristen Endla	
Date / Time	/	10/11 / 8:40	10-11-03 / 2:45

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