

THRIFTY OIL CO.

January 19, 2005

✓ R04 AG

O.53536

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Local #4057
RWQCB #01-1478
Global ID #T0600101365
Confirmation #9928498208

RE: **Former Thrifty Oil Co. Station #049**
3400 San Pablo Avenue
Oakland, CA 94612
4th Quarter 2004, Status Report

RECEIVED
ALAMEDA COUNTY
JAN 24 2005

Dear Mr. Chan:

Presented herein is the 4th Quarter 2004, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #049 located at 3400 San Pablo Avenue, Oakland, California (**Figure 1**). This report presents the results of the site monitoring and remedial activities conducted during the fourth quarter of 2004. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling, and remediation system monitoring activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. In general, groundwater occurs beneath the station at depths ranging from 3.38 feet below top of casing (btc) in monitoring/extraction well MW-4R to 5.71 feet btc in monitoring well MW-7 (**Appendix A**). A groundwater elevation contour map based on the October 20, 2004, monitoring data is presented in **Figure 2**. Groundwater elevation data indicates that groundwater flow to the southwest under at an approximate gradient of 0.012 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, EMC obtained groundwater samples from monitoring wells MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-6, MW-7, and RW-1R on October 20, 2004. Groundwater wells MW-2 and MW-4 and recovery well RW-1 were abandoned by Advanced GeoEnvironmental (AGE) in January 2004, and replacement wells MW-2R, MW-4R, and RW-1R were installed as part of an upgrade to the groundwater recovery system. Groundwater samples were delivered by EMC in a chilled state following strict Chain-of-Custody procedures to a state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M. Volatile organic compounds of benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert butyl ether (MTBE), and other oxygenates were analyzed by EPA Method 8260B. A summary of historical analytical sampling results for TPHg, BTEX, and MTBE is provided in **Table 1** and other oxygenates data is provided on **Table 2**. Copies of the EMC Field Data Groundwater Sampling Forms are provided in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, and MTBE isoconcentration maps in micrograms per liter (ug/L) were prepared using data from the October 20, 2004, sampling event and are presented in **Figures 3, 4, and 5**, respectively. Laboratory results indicate the highest concentrations of TPHg, benzene, and MTBE were detected in well MW-4R (66,600 ug/L, 6,390 ug/L, and 13,300 ug/L, respectively).



Concentrations of TPHg, benzene, and MTBE all decreased in well MW-3 from the sample collected on October 20, 2003. However, elevated concentrations of TPHg and MTBE were detected in upgradient well MW-5. The groundwater flow direction and TPHg, benzene, and MTBE contour maps suggest that an upgradient source is likely.

Remediation Status

Site remedial activities were initiated in April 1991. The remediation system consists of a Groundwater Treatment System using activated carbon, with groundwater extraction from recovery well RW-1. System operational data is included in **Table 3**. On February 14, 2003, the groundwater system was shut down initially for carbon replacement, and on April 4, 2003, the system was left off for system upgrade activities. As of April 4, 2003, the system has treated approximately 1,445,088 gallons of groundwater since start up (April 1991).

The upgraded remediation system was restarted by Advance GeoEnvironmental (AGE) for continuous operation on June 21, 2004. The primary components of the upgraded system within the treatment compound consist of an air compressor, 500 gallon Poly settling tank, control panel, and three 200 pound granular activated carbon canisters (**Figures 6 and 7**). The upgraded system is removing groundwater from extraction wells MW-2R, MW-4R, and RW-1R that are each equipped with downhole submersible pumps. According to AGE, as of December 29, 2004, the system produced and treated 47,405 gallons of water. A quarterly effluent water sample from the PSP-1 sampling port was collected on December 23, 2004, and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B. BTEX compounds were not detected above their respective detection limits with the exception of xylenes at 1.2 ug/L. The regulatory limit for xylenes is 5 ug/L so Thrifty remains in compliance. Thrifty has scheduled a carbon change-out. Copies of the analytical results are provided in **Appendix C**.

Other Activities

Thrifty selected AGE to conduct remedial system upgrade activities including installation of a new treatment compound, installation of new piping, connection of piping to the replacement well network, and the operation and maintenance of the upgraded groundwater pump and treat system. In January 2004, AGE abandoned wells MW-2, MW-4, and RW-1 and replaced them with wells MW-2R, MW-4R, and RW-1R. AGE also completed four (4) offsite soil borings (B-1 through B-4). In a transmittal letter dated March 11, 2004, Thrifty submitted preliminary soil and groundwater data from the offsite soil borings and onsite well replacement activities. On March 18, 2004, Thrifty, AGE, and the Alameda Health Care Agency (ACHCA) met at the site to discuss the location of offsite well MW-8 and the soil and groundwater data provided by Thrifty. In a letter dated March 19, 2004, the ACHCA requested that Thrifty prepare a workplan to address the offsite contamination detected in the data from the January 2004 site assessment conducted by AGE. After further discussing the scope of work with the ACHCA in e-mail dated April 27, 2004, Thrifty submitted a workplan to install one onsite and two offsite wells downgradient of the site. The ACHCA responded in an e-mail dated May 4, 2004, requesting additional borings to delineate the plume to the west and southwest of the site. Thrifty submitted a revised Workplan for Additional Offsite Assessment dated May 7, 2004 that included two additional borings to the southwest of the site. In a letter dated May 17, 2004, the ACHCA approved the May 7, 2004, workplan with the request

that additional borings be considered if soil and groundwater samples indicate significant hydrocarbon contamination. The ACHCA also suggested moving the location of onsite well MW-10 slightly to the west or installing a second boring along the northern boundary of the site. Thrifty has selected GeoHydrologic Consultants, Inc. (GHC) to conduct site assessment activities. GHC has obtained well permits and is in the process of obtaining an encroachment permit from the City of Oakland Public Works Department (COPWD).


Planned Activities

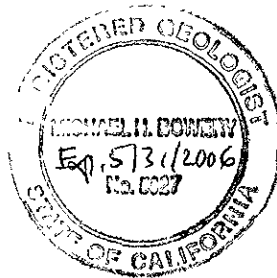
The encroachment permit is currently being reviewed by the COPWD following comments by Thrifty. If the encroachment permit is granted by the end of January 2005, field work should begin in February 2005 and a site assessment report submitted in March 2005.

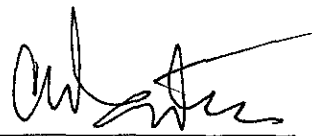
The groundwater monitoring wells will be monitored and sampled during the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the First Quarter 2005 monitoring report.

All interpretations expressed in this report are based solely upon data collected by EMC and laboratory analyses conducted by 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 #049, 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 <i>Screen Interval = 5 to 25 feet</i>											
01/09/92	-	-	-	-	-	-	5.54	NP	0.00	98.03	92.49
04/13/92	-	-	-	-	-	-	5.86	NP	0.00	98.03	92.17
10/05/92	-	-	-	-	-	-	9.39	NP	0.00	98.03	88.64
01/06/93	-	-	-	-	-	-	4.76	NP	0.00	98.03	93.27
04/26/93	-	-	-	-	-	-	4.96	NP	0.00	98.03	93.07
01/04/94	-	-	-	-	-	-	7.00	NP	0.00	98.03	91.03
04/05/94	-	-	-	-	-	-	6.44	NP	0.00	98.03	91.59
10/09/95	44,000	4,500	4,300	1,700	10,000	-	-	-	-	98.03	-
01/08/96	21,000	1,200	150	34	4,800	-	6.15	NP	0.00	98.03	91.88
04/08/96	4,700	80	110	10	910	-	5.40	NP	0.00	98.03	92.63
07/22/96	7,000	280	130	<3	2,100	440	5.50	NP	0.00	98.03	92.53
10/16/96	120	<0.3	<0.3	<0.3	<0.5	180	6.02	NP	0.00	98.03	92.01
01/22/97	160	<0.3	<0.3	<0.3	<0.5	360	4.40	NP	0.00	98.03	93.63
04/21/97	20,000	420	140	5.8	840	55,000	6.30	NP	0.00	98.03	91.73
07/14/97	13,000	<0.3	<0.3	<0.3	<0.55	30,000	5.92	NP	0.00	98.03	92.11
10/07/97	-	-	-	-	-	-	7.71	7.70	0.01	98.03	90.33
01/15/98	<50	0.3	<0.3	<0.3	<0.5	-	4.40	NP	0.00	98.03	93.63
04/23/98	540	<0.3	<0.3	<0.3	<0.5	<20	8.10	NP	0.00	98.03	89.93
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5	5.55	NP	0.00	98.03	92.48
10/14/98	50	1.4	0.56	<0.3	11	22	7.05	NP	0.00	98.03	90.98
01/21/99	<50	0.59	<0.3	<0.3	<0.5	<5	4.10	NP	0.00	98.03	93.93
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.30	NP	0.00	98.03	93.73
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.54	NP	0.00	98.03	92.49
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.13	NP	0.00	98.03	91.90
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5	6.04	NP	0.00	98.03	91.99
04/05/00	<50	<0.25	<0.25	<0.25	<0.5	<5	4.03	NP	0.00	98.03	94.00
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5	4.00	NP	0.00	98.03	94.03
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.53	NP	0.00	98.03	92.50
01/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.97	NP	0.00	98.03	94.06
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.98	NP	0.00	98.03	94.05
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.51	NP	0.00	98.03	92.52
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.97	NP	0.00	98.03	94.06
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.95	NP	0.00	98.03	94.08
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	2.42	NP	0.00	98.03	95.61
07/31/02	<50	<0.18	1.3	<0.18	<0.26	<0.24	5.49	NP	0.00	98.03	92.54
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	16	6.13	NP	0.00	98.03	91.90
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	2.45	NP	0.00	98.03	95.58
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	7.02	NP	0.00	98.03	91.01

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THRIFTY OIL STATION #049, OAKLAND, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.15	NP	0.00	98.03	92.88
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.13	NP	0.00	98.03	92.90
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	3.92	NP	0.00	98.03	94.11
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	4.54	NP	0.00	98.03	93.49
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	7.01	NP	0.00	98.03	91.02
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.46	NP	0.00	98.03	92.57
MONITORING WELL #MW-2 Screen Interval = 5 to 25 feet											
01/09/92	-	-	-	-	-	-	5.35	NP	0.00	97.44	92.09
04/13/92	-	-	-	-	-	-	7.42	NP	0.00	97.44	90.02
10/05/92	-	-	-	-	-	-	12.15	NP	0.00	97.44	85.29
01/06/93	-	-	-	-	-	-	5.46	NP	0.00	97.44	91.98
04/26/93	-	-	-	-	-	-	5.15	NP	0.00	97.44	92.29
01/04/94	-	-	-	-	-	-	9.45	NP	0.00	97.44	87.99
04/05/94	-	-	-	-	-	-	8.23	NP	0.00	97.44	89.21
10/09/95	33,000	6,000	390	1,700	4,900	-	-	-	-	97.44	-
01/08/96	<50	0.32	<0.3	0.41	2.1	-	5.60	NP	0.00	97.44	91.84
04/08/96	10,000	490	210	210	830	-	5.43	NP	0.00	97.44	92.01
07/22/96	60,000	6,500	1,000	1,500	10,000	8,500	5.65	NP	0.00	97.44	91.79
10/16/96	6,500	12	0.34	0.72	110	4,700	5.82	NP	0.00	97.44	91.62
01/22/97	3,200	<0.3	0.46	0.37	<0.5	8,000	4.30	NP	0.00	97.44	93.14
04/21/97	66,000	5,300	1,000	2,300	14,000	30,000	5.80	NP	0.00	97.44	91.64
07/14/97	17,000	1.8	4.6	4.6	350	24,000	8.92	NP	0.00	97.44	88.52
10/07/97	220,000	5,200	1,700	3,800	15,000	-	6.80	NP	0.00	97.44	90.64
01/19/98	25,000	5.4	2.2	2.1	240	-	8.50	NP	0.00	97.44	88.94
04/23/98	7,700	<0.3	0.55	0.38	4.9	28,000	7.60	NP	0.00	97.44	89.84
07/20/98	430,000	4,200	10,000	5,400	28,000	77,000	6.94	NP	0.00	97.44	90.50
10/14/98	27,000	<0.3	4.5	4.1	4.6	65,000	8.45	NP	0.00	97.44	88.99
01/21/99	16,000	7.6	9.8	4.2	310	* 49,000 / 42,000	6.95	NP	0.00	97.44	90.49
04/15/99	20,000	<0.3	<0.3	<0.3	<0.5	* 31,000 / 30,000	8.45	NP	0.00	97.44	88.99
07/26/99	6,700	<6	<6	<6	<10	* 11,000 / 15,000	6.94	NP	0.00	97.44	90.50
10/13/99	7,600	<3	3.7	<3	11	11,000	5.48	NP	0.00	97.44	91.96
01/20/00	7,500	<6	<6	<6	<10	* 14,000 / 16,000	5.84	NP	0.00	97.44	91.60
04/05/00	10,400	<0.25	<0.25	<0.25	<0.5	* 10,000 / 14,400	5.41	NP	0.00	97.44	92.03
07/19/00	130	<0.3	<0.3	<0.3	<0.6	* 9,620 / 6,520	5.40	NP	0.00	97.44	92.04
10/18/00	150	<0.18	<0.14	<0.18	<0.26	* 9,090 / 6,560	6.91	NP	0.00	97.44	90.53
01/17/01	75	<0.18	2.0	2.0	3.0	* 8,650 / 9,710	5.41	NP	0.00	97.44	92.03
04/19/01	4,380	<0.18	<0.14	<0.18	<0.26	8,890	5.40	NP	0.00	97.44	92.04

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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)					
07/18/01	3,260	<0.18	<0.14	<0.18	2.0	*7960 / 1,710	6.92	NP	0.00	97.44	90.52
10/10/01	1,760	<0.18	<0.14	<0.18	<0.26	*2,980 / 2,600	3.87	NP	0.00	97.44	93.57
01/30/02	1,770	<0.18	1.0	1.0	2.0	*2,560 / 1,590	8.45	NP	0.00	97.44	88.99
04/17/02	1,470	1.0	<0.14	<0.18	<0.26	*2,460 / 2,080	8.45	NP	0.00	97.44	88.99
07/31/02	3,910	<0.18	1.2	<0.18	2.1	*2,090 / 1,740	9.98	NP	0.00	97.44	87.46
11/14/02	39,400	1,680	728	173	5,120	8,270	5.40	NP	0.00	97.44	92.04
01/29/03	22,100	746	76	<1.0	2,840	8,220	8.43	NP	0.00	97.44	89.01
04/23/03	19,500	<0.8	<0.4	<0.4	<1.2	9,580	5.38	NP	0.00	97.44	92.06
07/10/03	29,900	<2.2	<3.2	<3.1	<4.0	6,690	5.10	NP	0.00	97.44	92.34
10/20/03	13,000	4.79	<0.02	<0.02	<0.06	*6,330 / 5,980	5.10	NP	0.00	97.44	92.34
01/14/04	WELL ABANDONED 01/2004										
MONITORING WELL #MW-2R											
04/08/04	11,600	304	16 J	55	427	4,170	4.58	NP	0.00	-	-
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	6.72	NP	0.00	-	-
10/20/04	20,900	3,180	2,970	259	1,240	92	3.72	NP	0.00	-	-
MONITORING WELL #MW-3 <i>Screen Interval = 5 to 25 feet</i>											
01/09/92	-	-	-	-	-	-	17.60	NP	0.00	97.69	80.09
04/13/92	-	-	-	-	-	-	17.40	NP	0.00	97.69	80.29
10/05/92	-	-	-	-	-	-	17.35	NP	0.00	97.69	80.34
01/06/93	-	-	-	-	-	-	17.40	NP	0.00	97.69	80.29
04/26/93	-	-	-	-	-	-	17.90	NP	0.00	97.69	79.79
01/04/94	-	-	-	-	-	-	17.60	NP	0.00	97.69	80.09
04/05/94	-	-	-	-	-	-	16.25	NP	0.00	97.69	81.44
01/08/96	-	-	-	-	-	-	7.11	NP	0.00	97.69	90.58
04/08/96	8,800	610	31	530	900	-	7.20	NP	0.00	97.69	90.49
07/22/96	38,000	4,100	1,500	1,600	5,400	2,600	6.82	NP	0.00	97.69	90.87
10/16/96	2,400	<0.3	<0.3	<0.3	<0.5	3,800	6.84	NP	0.00	97.69	90.85
01/22/97	2,200	<0.3	<0.3	<0.3	<0.5	5,500	4.80	NP	0.00	97.69	92.89
04/21/97	15,000	1,500	36	260	710	11,000	9.40	NP	0.00	97.69	88.29
07/14/97	5,400	0.45	<0.3	<0.3	<0.5	14,000	10.92	NP	0.00	97.69	86.77
10/07/97	8,800	0.39	<0.3	<0.3	0.88	-	11.95	NP	0.00	97.69	85.74
01/19/98	22,000	1,300	15	20	310	-	7.85	NP	0.00	97.69	89.84
04/23/98	9,200	3.9	3.1	5.7	9.8	16,000	11.20	NP	0.00	97.69	86.49
07/20/98	750	0.41	1.4	0.47	1.8	2,800	7.36	NP	0.00	97.69	90.33
10/14/98	750	<0.3	<0.3	<0.3	<0.5	15,000	11.95	NP	0.00	97.69	85.74
01/21/99	4,700	0.32	<0.3	<0.3	<0.5	*12,000 / 16,000	10.45	NP	0.00	97.69	87.24

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THRIFTY OIL STATION #049, 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)					
04/15/99	7,900	0.59	0.69	<0.3	0.94	*11,000 / 14,000	7.86	NP	0.00	97.69	89.83
07/26/99	5,200	<3	<3	<3	<5	*9,600 / 11,000	10.40	NP	0.00	97.69	87.29
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	7.09	NP	0.00	97.69	90.60
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5	6.86	NP	0.00	97.69	90.83
04/05/00	<50	0.8	<0.25	<0.25	<0.5	*5.6 / <5	8.85	NP	0.00	97.69	88.84
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5	8.86	NP	0.00	97.69	88.83
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.32	NP	0.00	97.69	90.37
01/17/01	<50	<0.18	2.0	<0.18	1.0	*39 / 39	5.40	NP	0.00	97.69	92.29
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	8.87	NP	0.00	97.69	88.82
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.32	NP	0.00	97.69	90.37
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	8.87	NP	0.00	97.69	88.82
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.78	NP	0.00	97.69	91.91
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.31	NP	0.00	97.69	90.38
07/31/02	138	1.1	1.2	<0.18	<0.26	<0.24	5.76	NP	0.00	97.69	91.93
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	21	5.73	NP	0.00	97.69	91.96
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	16	7.30	NP	0.00	97.69	90.39
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	16	5.76	NP	0.00	97.69	91.93
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	11	5.63	NP	0.00	97.69	92.06
10/20/03	13,700	4.13	<0.02	<0.02	<0.06	*6,570 / 4,920	5.61	NP	0.00	97.69	92.08
01/14/04	1,160	2.0	2.2	6.1	7.8	*1,510 / 767	4.23	NP	0.00	97.69	93.46
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.48	NP	0.00	97.69	92.21
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	6.66	NP	0.00	97.69	91.03
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	4.20	NP	0.00	97.69	93.49
MONITORING WELL #MW-4											
<i>Screen Interval = 4 to 14 feet</i>											
01/09/92	-	-	-	-	-	-	5.25	NP	0.00	97.33	92.08
04/13/92	-	-	-	-	-	-	6.40	NP	0.00	97.33	90.93
10/05/92	-	-	-	-	-	-	9.95	NP	0.00	97.33	87.38
01/06/93	-	-	-	-	-	-	4.10	NP	0.00	97.33	93.23
04/26/93	-	-	-	-	-	-	4.84	NP	0.00	97.33	92.49
01/04/94	-	-	-	-	-	-	9.05	NP	0.00	97.33	88.28
04/05/94	-	-	-	-	-	-	8.10	NP	0.00	97.33	89.23
10/09/95	63,000	9,000	2,100	2,500	9,600	-	-	-	-	97.33	-
01/08/96	23,000	2,200	830	880	3,600	-	5.57	NP	0.00	97.33	91.76
04/08/96	56,000	5,000	2,500	2,600	11,000	-	5.36	NP	0.00	97.33	91.97
07/22/96	33,000	3,700	1,600	1,400	6,000	2,400	4.80	NP	0.00	97.33	92.53
10/16/96	2,800	7.8	0.60	0.41	52	2,000	5.47	NP	0.00	97.33	91.86
01/22/97	1,400	<0.3	<0.3	<0.3	<0.5	3,100	5.15	NP	0.00	97.33	92.18

TABLE I
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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)						
04/21/97	-	-	-	-	-	-	6.36	5.30	1.06	97.33	91.77	
07/14/97	-	-	-	-	-	-	5.24	5.21	0.03	97.33	92.11	
10/07/97	-	-	-	-	-	-	7.82	7.80	0.02	97.33	89.53	
01/15/98	-	-	-	-	-	-	6.68	6.60	0.08	97.33	90.71	
04/23/98	-	-	-	-	-	-	6.36	5.30	1.06	97.33	91.77	
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5	6.05	NP	0.00	97.33	91.28	
10/14/98	3,100	86	23	2.0	520	1,100	6.85	NP	0.00	97.33	90.48	
01/21/99	9,100	3.2	5.6	1.8	130	*24,000 / 17,000	6.10	NP	0.00	97.33	91.23	
04/15/99	14,000	<0.3	0.71	<0.3	<0.5	*20,000 / 22,000	6.05	NP	0.00	97.33	91.28	
07/26/99	4,500	<6	<6	<6	<10	*8,700 / 9,800	6.07	NP	0.00	97.33	91.26	
10/13/99	410	<0.3	0.63	<0.3	<0.5	660	5.54	NP	0.00	97.33	91.79	
01/20/00	770	<0.3	<0.3	<0.3	<0.5	*2,400 / 1,900	5.49	NP	0.00	97.33	91.84	
04/05/00	61,200	0.9	<0.25	<0.25	<0.5	*18,500 / 21,900	5.30	NP	0.00	97.33	92.03	
07/19/00	96,600	1,770	1,760	2,690	8,730	21,900 / 9,740 J	5.29	NP	0.00	97.33	92.04	
10/18/00	34,900	698	1,010	607	4,130	*27,800 / 15,900	6.02	NP	0.00	97.33	91.31	
01/17/01	29,100	799	930	614	3,400	*24,300 / 31,400	4.88	NP	0.00	97.33	92.45	
04/19/01	103,000	4,880	3,980	3,260	11,800	66,900	4.89	NP	0.00	97.33	92.44	
07/18/01	52,200	3,320	2,090	440	5,520	*55,500 / 16,800	6.04	NP	0.00	97.33	91.29	
10/10/01	8,580	6.1	14	5.3	70	*40,100 / 30,000	4.51	NP	0.00	97.33	92.82	
01/30/02	36,500	<0.18	3.0	1.0	3.0	*43,000 / 24,900	4.51	NP	0.00	97.33	92.82	
04/17/02	12,900	8.0	1.0	<0.18	1.0	16,000 / 13,600	4.51	NP	0.00	97.33	92.82	
07/31/02	19,300	<0.18	1.2	1.5	2.6	*13,200 / 10,100	5.26	NP	0.00	97.33	92.07	
11/14/02	36,200	1,720	940	235	6,190	8,280	5.27	NP	0.00	97.33	92.06	
01/29/03	13,000	444	39	<0.4	1,200	8,160	4.50	NP	0.00	97.33	92.83	
04/23/03	7,430	130	5.7	<0.2	387	5,830	4.80	NP	0.00	97.33	92.53	
07/10/03	16,200	<2.2	<3.2	<3.1	<4.0	3,930	4.55	NP	0.00	97.33	92.78	
10/20/03	6,040	672	384	3.4	444	*3,780 / 3,220	4.56	NP	0.00	97.33	92.77	
01/14/04	WELL ABANDONED 01/2004											
MONITORING WELL #MW-4R												
04/08/04	37,900	819	424	159	3,190	18,400	4.96	NP	0.00	-	-	
07/21/04	14,500	<2.2	<3.2	<3.1	39 J	18,900	6.60	NP	0.00	-	-	
10/20/04	66,000	6,390	6,560	672	3,290	13,300	3.38	NP	0.00	-	-	
MONITORING WELL #MW-5 <i>Screen Interval = 4 to 14 feet</i>												
01/09/92	-	-	-	-	-	-	5.32	NP	0.00	98.85	93.53	
04/13/92	-	-	-	-	-	-	4.82	NP	0.00	98.85	94.03	
10/0/92	-	-	-	-	-	-	8.78	NP	0.00	98.85	90.07	

**TABLE I
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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	-	-	-	-	-	-	3.46	NP	0.00	98.85	95.39
04/26/93	-	-	-	-	-	-	4.66	NP	0.00	98.85	94.19
01/04/94	-	-	-	-	-	-	6.36	NP	0.00	98.85	92.49
04/05/94	-	-	-	-	-	-	5.94	NP	0.00	98.85	92.91
07/12/95	<100	<0.5	<0.5	<0.5	<1	-	-	-	-	98.85	-
10/09/95	440	31	11	19	84	-	-	-	-	98.85	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.63	NP	0.00	98.85	92.22
04/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	5.22	NP	0.00	98.85	93.63
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.62	NP	0.00	98.85	92.23
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.12	NP	0.00	98.85	92.73
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.17	NP	0.00	98.85	93.68
04/21/97	73	2.5	0.34	0.74	3.8	21	6.64	NP	0.00	98.85	92.21
07/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	6.67	NP	0.00	98.85	92.18
10/07/97	130	<0.3	<0.3	<0.3	<0.5	-	8.20	NP	0.00	98.85	90.65
01/19/98	85	<0.3	<0.3	<0.3	<0.5	-	1.55	NP	0.00	98.85	97.30
04/23/98	220	0.39	<0.3	<0.3	<0.5	350	8.10	NP	0.00	98.85	90.75
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5	6.30	NP	0.00	98.85	92.55
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5	7.65	NP	0.00	98.85	91.20
01/21/99	<50	<0.3	<0.3	<0.3	<0.5	*6.7 / <5	6.15	NP	0.00	98.85	92.70
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	1.60	NP	0.00	98.85	97.25
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.13	NP	0.00	98.85	92.72
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.61	NP	0.00	98.85	92.24
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5	6.14	NP	0.00	98.85	92.71
04/05/00	<50	0.5	<0.25	<0.25	<0.5	*5.4 / <5	4.58	NP	0.00	98.85	94.27
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5	4.59	NP	0.00	98.85	94.26
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.28	NP	0.00	98.85	92.57
01/17/01	<50	<0.18	<0.14	<0.18	1.0	*5 / 4.8	4.58	NP	0.00	98.85	94.27
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.12	NP	0.00	98.85	92.73
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.48	NP	0.00	98.85	94.37
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.10	NP	0.00	98.85	92.75
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	9	6.11	NP	0.00	98.85	92.74
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	7.1	4.55	NP	0.00	98.85	94.30
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	7.9	3.03	NP	0.00	98.85	95.82
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	7.4	5.25	NP	0.00	98.85	93.60
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	*9.11 / 9.2	5.25	NP	0.00	98.85	93.60
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	*8.2 / 4.1	3.03	NP	0.00	98.85	95.82

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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)					
04/08/04	797	<0.22	<0.32	<0.31	<0.4	635	4.35	NP	0.00	98.85	94.50
07/21/04	548	<0.22	<0.32	<0.31	<0.4	788	5.56	NP	0.00	98.85	93.29
10/20/04	901	<0.22	<0.32	<0.31	<0.4	734	4.15	NP	0.00	98.85	94.70
MONITORING WELL #MW-6 Screen Interval = 4 to 14 feet											
01/09/92	-	-	-	-	-	-	6.30	NP	0.00	99.67	93.37
04/13/92	-	-	-	-	-	-	5.47	NP	0.00	99.67	94.20
10/05/92	-	-	-	-	-	-	9.85	NP	0.00	99.67	89.82
01/06/93	-	-	-	-	-	-	4.16	NP	0.00	99.67	95.51
04/26/93	-	-	-	-	-	-	5.75	NP	0.00	99.67	93.92
01/14/94	-	-	-	-	-	-	7.20	NP	0.00	99.67	92.47
04/05/94	-	-	-	-	-	-	6.76	NP	0.00	99.67	92.91
07/10/95	<100	<0.5	0.9	<0.5	1.1	-	-	-	-	99.67	-
10/09/95	250	4.8	5.6	11	58	-	-	-	-	99.67	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.16	NP	0.00	99.67	93.51
04/08/96	230	4.6	4.7	3.2	33	-	4.60	NP	0.00	99.67	95.07
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	7.30	NP	0.00	99.67	92.37
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.82	NP	0.00	99.67	93.85
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.40	NP	0.00	99.67	95.27
04/21/97	130	<0.3	<0.3	<0.3	<0.5	<20	7.10	NP	0.00	99.67	92.57
07/14/97	<50	<0.3	<0.3	<0.3	0.70	<20	7.35	NP	0.00	99.67	92.32
10/07/97	<50	0.78	0.3	<0.3	<0.5	-	6.98	NP	0.00	99.67	92.69
01/23/98	<50	<0.3	<0.3	<0.3	<0.5	-	2.35	NP	0.00	99.67	97.32
04/23/98	<50	<0.3	<0.3	<0.3	<0.5	<20	6.90	NP	0.00	99.67	92.77
07/20/98	<50	<0.3	1.1	<0.3	1.4	<5	5.45	NP	0.00	99.67	94.22
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5	4.95	NP	0.00	99.67	94.72
01/21/99	<50	0.35	0.62	<0.3	<0.5	<5	3.90	NP	0.00	99.67	95.77
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.35	NP	0.00	99.67	97.32
07/26/99	1,000	<0.3	<0.3	<0.3	<0.5	*2,300 / 3,900	3.93	NP	0.00	99.67	95.74
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.15	NP	0.00	99.67	93.52
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*42 / 41	5.84	NP	0.00	99.67	93.83
04/05/00	4,600	338	2.8	1.2	55.2	*282 / 230	3.89	NP	0.00	99.67	95.78
07/19/00	60	1.0	2.0	<0.3	<0.6	*87 / 76	3.07	NP	0.00	99.67	96.60
10/18/00	-	-	-	-	-	-	-	-	-	99.67	-
01/17/01	103	<0.18	2.0	<0.18	3.0	*78 / 106	3.87	NP	0.00	99.67	95.80
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.40	NP	0.00	99.67	94.27
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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)	MIBE (ug/L)					
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.40	NP	0.00	99.67	94.27
11/14/02	140	3.2	<0.18	5.2	<0.4	111	5.42	NP	0.00	99.67	94.25
01/29/03	694 J	<0.04	<0.02	<0.02	<0.06	630	3.88	NP	0.00	99.67	95.79
04/23/03	1,550	<0.04	<0.02	<0.02	<0.06	578	3.86	NP	0.00	99.67	95.81
07/10/03	1,670	<0.22	<0.32	<0.31	<0.4	509	5.31	NP	0.00	99.67	94.36
10/20/03	1,320	<0.04	<0.02	<0.02	<0.06	*656 / 662	5.30	NP	0.00	99.67	94.37
01/14/04	272	<0.04	<0.02	<0.02	<0.06	*304 / 180	3.82	NP	0.00	99.67	95.85
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.18	NP	0.00	99.67	94.49
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	6.42	NP	0.00	99.67	93.25
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.62	NP	0.00	99.67	94.05
MONITORING WELL #MW-7 <i>Screen Interval = 4 to 14 feet</i>											
01/09/92	-	-	-	-	-	-	6.30	NP	0.00	99.02	92.72
04/13/92	-	-	-	-	-	-	6.68	NP	0.00	99.02	92.34
10/05/92	-	-	-	-	-	-	9.60	NP	0.00	99.02	89.42
01/06/93	-	-	-	-	-	-	13.90	NP	0.00	99.02	85.12
04/26/93	-	-	-	-	-	-	5.55	NP	0.00	99.02	93.47
01/04/94	-	-	-	-	-	-	7.58	NP	0.00	99.02	91.44
04/05/94	-	-	-	-	-	-	6.66	NP	0.00	99.02	92.36
10/09/95	27,000	2,400	140	1,700	2,700	-	-	-	-	99.02	-
01/08/96	13,000	800	42	540	860	-	6.94	NP	0.00	99.02	92.08
04/08/96	9,100	840	31	690	1,200	-	5.48	NP	0.00	99.02	93.54
07/22/96	11,000	1,700	22	660	700	840	6.60	NP	0.00	99.02	92.42
10/16/96	180	<0.3	<0.3	<0.3	<0.5	270	6.42	NP	0.00	99.02	92.60
01/22/97	130	<0.3	<0.3	<0.3	<0.5	470	5.70	NP	0.00	99.02	93.32
04/21/97	10,000	1,400	27	820	490	1,100	5.30	NP	0.00	99.02	93.72
07/14/97	8,200	660	15	230	270	560	7.90	NP	0.00	99.02	91.12
10/07/97	7,700	480	15	8.4	350	-	7.70	NP	0.00	99.02	91.32
01/19/98	1,400	20	0.74	0.46	4.4	-	6.05	NP	0.00	99.02	92.97
04/23/98	590	<0.3	<0.3	<0.3	<0.5	1,700	7.60	NP	0.00	99.02	91.42
07/20/98	4,900	570	150	300	500	1,500	5.30	NP	0.00	99.02	93.72
10/14/98	1,100	1.0	<0.3	<0.3	5.3	2,000	8.60	NP	0.00	99.02	90.42
01/21/99	570	0.32	<0.3	<0.3	<0.5	*1,500 / 1,700	6.70	NP	0.00	99.02	92.32
04/15/99	770	<0.3	<0.3	<0.3	<0.5	*1,400 / 1,200	6.07	NP	0.00	99.02	92.95
07/26/99	500	<0.3	<0.3	<0.3	<0.5	*710 / 950	7.86	NP	0.00	99.02	91.16
10/13/99	<50	<0.3	0.44	<0.3	0.62	<5	6.93	NP	0.00	99.02	92.09

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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)	MIBE (ug/L)					
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*5 / <5	6.44	NP	0.00	99.02	92.58
04/05/00	5,670	415	19	1.7	60.1	*329 / 194	7.86	NP	0.00	99.02	91.16
07/19/00	1,350	14	<3	<3	10	*237 / 120	7.10	NP	0.00	99.02	91.92
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	*63 / 41.1	5.28	NP	0.00	99.02	93.74
01/17/01	<50	<0.18	<0.14	<0.18	3.0	*57 / 81	5.27	NP	0.00	99.02	93.75
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	66	7.86	NP	0.00	99.02	91.16
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 3.5	6.30	NP	0.00	99.02	92.72
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	*9.4 / 7.9	8.23	NP	0.00	99.02	90.79
01/30/02	2,590	40	9.0	8.0	6.0	*45 / 22	5.14	NP	0.00	99.02	93.88
04/17/02	51	<0.18	<0.14	<0.18	<0.26	*58 / 45	5.53	NP	0.00	99.02	93.49
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	*39 / 33	5.93	NP	0.00	99.02	93.09
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	6.8	5.92	NP	0.00	99.02	93.10
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.51	NP	0.00	99.02	93.51
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.14	NP	0.00	99.02	93.88
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.03	NP	0.00	99.02	93.99
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.01	NP	0.00	99.02	94.01
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	4.38	NP	0.00	99.02	94.64
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	4.86	NP	0.00	99.02	94.16
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	6.82	NP	0.00	99.02	92.20
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.71	NP	0.00	99.02	93.31
MONITORING WELL #RW-1											
01/09/92	-	-	-	-	-	-	14.00	NP	0.00	-	-
04/13/92	-	-	-	-	-	-	14.00	NP	0.00	-	-
10/05/92	-	-	-	-	-	-	15.05	NP	0.00	-	-
01/06/93	-	-	-	-	-	-	5.43	NP	0.00	-	-
04/26/93	-	-	-	-	-	-	13.20	NP	0.00	-	-
01/04/94	-	-	-	-	-	-	14.30	NP	0.00	-	-
04/05/94	-	-	-	-	-	-	14.13	NP	0.00	-	-
01/08/96	-	-	-	-	-	-	14.22	NP	0.00	-	-
04/08/96	-	-	-	-	-	-	14.33	NP	0.00	-	-
07/22/96	8,100	530	84	120	860	-	14.27	NP	0.00	-	-
10/16/96	-	-	-	-	-	-	13.10	NP	0.00	-	-
01/22/97	-	-	-	-	-	-	16.97	NP	0.00	-	-
10/07/97	-	-	-	-	-	-	14.20	NP	0.00	-	-
01/15/98	-	-	-	-	-	-	15.60	NP	0.00	-	-
04/23/98	81,000	0.72	1.4	3.2	5.7	270,000	14.20	NP	0.00	-	-
07/20/98	-	-	-	-	-	-	14.30	NP	0.00	-	-

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, 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)						
10/14/98	-	-	-	-	-	-	11.20	NP	0.00	-	-	
01/21/99	-	-	-	-	-	-	-	-	-	-	-	
04/15/99	-	-	-	-	-	-	13.10	NP	0.00	-	-	
07/26/99	4,400	<3	<3	<3	<3	*6,800 / 9,000	13.83	NP	0.00	-	-	
10/13/99	-	-	-	-	-	-	-	-	-	-	-	
01/20/00	-	-	-	-	-	-	13.22	NP	0.00	-	-	
04/05/00	-	-	-	-	-	-	-	-	-	-	-	
07/19/00	-	-	-	-	-	-	13.25	NP	0.00	-	-	
10/18/00	-	-	-	-	-	-	11.14	NP	0.00	-	-	
01/17/01	-	-	-	-	-	-	11.12	NP	0.00	-	-	
04/19/01	-	-	-	-	-	-	-	-	-	-	-	
07/18/01	-	-	-	-	-	-	11.20	NP	0.00	-	-	
10/10/01	-	-	-	-	-	-	11.20	NP	0.00	-	-	
01/30/02	-	-	-	-	-	-	12.30	NP	0.00	-	-	
04/17/02	-	-	-	-	-	-	14.30	NP	0.00	-	-	
07/31/02	-	-	-	-	-	-	14.21	NP	0.00	-	-	
11/14/02	-	-	-	-	-	-	14.13	NP	0.00	-	-	
01/29/03	-	-	-	-	-	-	13.12	NP	0.00	-	-	
04/23/03	-	-	-	-	-	-	No Access	-	-	-	-	
07/10/03	-	-	-	-	-	-	No Access	-	-	-	-	
10/20/03	-	-	-	-	-	-	No Access	-	-	-	-	
01/14/04	WELL ABANDONED 01/2004											
MONITORING WELL #RW-1R												
04/08/04	6,740	42	32 J	<3.1	1,160	239	4.76	NP	0.00	-	-	
07/21/04	118	<0.22	<0.32	<0.31	<0.4	107	6.85	NP	0.00	-	-	
10/20/04	29,900	3,850	4,010	381	1,920	103	4.28	NP	0.00	-	-	

NOTE: * MTBE 8020 / 8260
 ND = Nondetectable
 NP = No free hydrocarbon product
 " - " = Not analyzed / Not available

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260
 On 7/21/04, 4/08/04, 7/10/03 & 11/14/02, BTEX and MTBE done by 8260B

**TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	OXYGENATES				1,2-Dichloroethane (ug/L)
	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					
11/14/02	<0.2	<0.12	<0.16	<10	<0.13
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-
10/20/03	-	-	-	-	-
01/14/04	-	-	-	-	-
04/08/04	-	-	-	-	-
07/21/04	-	-	-	-	-
10/20/04	-	-	-	-	-
MONITORING WELL # MW-2					
11/14/02	<2.0	<1.2	111	341	<1.3
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<2.9	<1.7	59	449	-
10/20/03	-	-	-	-	-
01/14/04	WELL ABANDONED 01/2004				
MONITORING WELL # MW-3					
11/14/02	<0.2	<0.12	<0.16	<10	<0.13
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-
10/20/03	-	-	-	-	-
01/14/04	-	-	-	-	-
04/08/04	-	-	-	-	-
07/21/04	-	-	-	-	-
10/20/04	-	-	-	-	-
MONITORING WELL # MW-4					
11/14/02	<2.0	<1.2	106	281	<1.3
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<2.9	<1.7	35	<100	-
10/20/03	-	-	-	-	-
01/14/04	WELL ABANDONED 01/2004				
MONITORING WELL # MW-5					
11/14/02	<0.2	<0.12	<0.16	<10	<0.13
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-
10/20/03	-	-	-	-	-
01/14/04	-	-	-	-	-
04/08/04	-	-	-	-	-
07/21/04	-	-	-	-	-
10/20/04	-	-	-	-	-
MONITORING WELL # MW-6					
11/14/02	<0.2	<0.12	<0.16	<10	<0.13
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<0.29	<0.17	2.1	38	-

TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.

DATE SAMPLED	OXYGENATES				1,2-Dichloroethane (ug/L)
	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)	
10/20/03	-	-	-	-	-
01/14/04	-	-	-	-	-
04/08/04	-	-	-	-	-
07/21/04	-	-	-	-	-
10/20/04	-	-	-	-	-
MONITORING WELL # MW-7					
11/14/02	<0.2	<0.12	<0.16	<10	<0.13
01/29/03	-	-	-	-	-
04/23/03	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-
10/20/03	-	-	-	-	-
01/14/04	-	-	-	-	-
04/08/04	-	-	-	-	-
07/21/04	-	-	-	-	-
10/20/04	-	-	-	-	-

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

TABLE 3
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	Total H-C Removed (lbs)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
					TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
4/8/1991	1,310	0	-	0.000	-	<0.3	<0.3	<0.3	<0.9	-	-	910	2000	160	2000	-
4/15/1991	1,434	124	18	0.049	-	<0.3	<0.3	<0.3	<0.3	-	-	2800	4600	310	5000	-
4/22/1991	1,510	200	11	0.078	-	<15	<15	<15	<45	-	-	3100	3300	<15	2800	-
4/29/1991	1,660	350	21	0.137	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	4500	300	5000	-
5/6/1991	1,740	430	11	0.168	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	3500	300	3800	-
5/13/1991	1,880	570	20	0.223	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3200	230	3900	-
5/20/1991	2,010	700	19	0.274	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3400	260	5100	-
5/28/1991	2,050	740	5	0.290	-	<0.3	<0.3	<0.3	<0.9	-	-	2900	3000	230	4200	-
6/3/1991	2,110	800	10	0.313	-	<0.3	<0.3	<0.3	<0.9	-	-	2500	2100	110	2800	-
6/10/1991	2,160	850	7	0.333	-	<0.3	<0.3	<0.3	<0.9	-	-	1800	1700	120	2100	-
6/17/1991	2,219	909	8	0.356	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1900	170	2700	-
6/24/1991	2,263	953	6	0.373	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1800	150	2700	-
07/01/91	2,313	1,003	7	0.393	-	<0.5	<0.5	<1	<1	-	-	2,700	2,000	150	2,900	-
07/08/91	2,700	1,390	55	0.544	-	<0.5	<0.5	<1	<1	-	-	4,000	2,500	130	4,400	-
07/15/91	2,872	1,562	25	0.611	-	<0.5	<0.5	<1	<1	-	-	3,100	1,900	140	3,200	-
07/22/91	3,144	1,834	39	0.718	-	<0.5	<0.5	<1	<1	-	-	3,400	2,100	110	2,800	-
07/29/91	3,220	1,910	11	0.748	-	<0.5	<0.5	<1	<1	-	-	5,100	2,200	180	2,700	-
08/05/91	3,348	2,038	18	0.798	-	<0.5	<0.5	<1	<1	-	-	5,100	3,900	400	4,200	-
08/12/91	3,472	2,162	18	0.846	-	<0.5	<0.5	<1	<1	-	-	11,000	6,200	440	6,400	-
08/19/91	3,548	2,238	11	0.876	-	<0.5	<0.5	<1	<1	-	-	4,500	2,400	130	2,600	-
08/26/91	3,655	2,345	15	0.918	-	<0.5	<0.5	<1	<1	-	-	4,400	2,500	260	3,600	-
09/09/91	3,822	2,512	12	0.983	-	<0.5	<0.5	<1	<1	-	-	5,200	3,000	390	3,700	-
09/16/91	3,884	2,574	9	1.007	-	<0.5	<0.5	<1	<1	-	-	4,100	2,000	460	4,900	-
09/23/91	4,013	2,703	18	1.058	-	<0.5	<0.5	<1	<1	-	-	4,600	1,600	710	6,400	-
09/30/91	4,092	2,782	11	1.089	-	<0.5	<0.5	<1	<1	-	-	5,700	2,000	380	6,200	-
10/07/91	4,131	2,821	6	1.104	System shut down											
10/14/91	4,195	2,885	9	1.129	-	<0.5	<0.5	<1	<1	-	-	4,400	2,000	370	8,100	-
10/21/91	4,406	3,096	30	1.212	-	<0.5	<0.5	<1	<1	-	-	2,300	1,100	190	4,200	-
10/28/91	4,474	3,164	10	1.238	-	<0.5	<0.5	<1	<1	-	-	6,400	4,100	620	6,100	-
11/03/91	4,613	3,303	23	1.293	-	<0.5	<0.5	<1	<1	-	-	6,100	2,800	200	5,600	-
11/11/91	4,700	3,390	11	1.327	-	<0.5	<0.5	<1	<1	-	-	6,500	2,300	<30	4,900	-
11/18/91	4,887	3,577	27	1.400	-	<0.5	<0.5	<1	<1	-	-	5,600	2,500	300	4,600	-
11/25/91	5,042	3,732	22	1.461	-	<0.5	<0.5	<1	<1	-	-	5,400	2,800	230	5,700	-
12/03/91	5,263	3,953	28	1.547	-	<0.5	<0.5	<1	<1	-	-	7,200	3,300	490	5,500	-
12/09/91	5,362	4,052	17	1.586	-	<0.5	<0.5	<1	<1	-	-	4,400	1,700	140	3,900	-
12/16/91	5,486	4,176	18	1.635	-	<0.5	<0.5	<0.5	<0.5	-	-	4,700	2,300	310	4,600	-
12/23/91	5,516	4,206	4	1.646	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	2,200	290	5,900	-
12/30/91	5,575	4,265	8	1.669	-	<0.5	<0.5	<0.5	<0.5	-	-	5,200	2,500	350	5,800	-
01/15/92	5,720	4,410	9	1.726	-	<0.5	<0.5	<0.5	<0.5	-	-	3,400	1,900	300	6,300	-
02/10/92	6,264	4,954	21	1.939	-	<0.5	<0.5	<0.5	<0.5	-	-	5,800	2,800	320	7,200	-
03/09/92	8,520	7,210	81	2.822	<200	<0.5	16	<0.5	<0.5	-	47,000	7,100	4,800	630	10,300	-
04/13/92	22,888	21,578	411	7.369	<200	<0.5	<0.5	<0.5	<0.5	-	29,000	4,500	2,200	160	4,800	-

TABLE 3
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	Total H-C Removed (lbs)	EFFLUENT (ug/L)						INFLUENT (ug/L)							
					TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE		
05/11/92	24,920	23,610	73	7 800	<200	<0.5	<0.5	<0.5	<0.5	-	22,000	4,300	1,500	130	3,800	-		
06/01/92	28,330	27,020	162	8,368	<200	<0.5	<0.5	<0.5	<0.5	-	16,000	3,400	1,500	660	4,200	-		
07/13/92	72,675	27,020	-	8 368	-	<0.5	<0.5	<0.5	<0.5	-	-	1,800	750	150	5,600	-		
07/13/92	72,675	27,020	-	8 368	The system pumped air and flowmeter jumped from 30,000 gallons to 70,000 gallons						-	-	-	-	-	-	-	-
08/17/92	75,046	29,391	68	8,724	-	<0.5	<0.5	<0.5	<0.5	-	-	1,100	350	200	1,100	-		
09/14/92	75,582	29,927	19	8,804	-	<0.5	<0.5	<0.5	<1	-	-	2,100	520	<25	3,500	-		
10/05/92	75,680	30,025	5	8,819	<200	<0.5	<0.5	<0.5	<1	-	19,000	1,700	270	<25	4,000	-		
11/09/92	77,280	31,625	46	9 072	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	1,400	120	5,900	-		
12/14/92	79,420	33,765	61	9,411	-	<0.5	<0.5	<0.5	<1	-	-	7,300	4,900	1,800	16,000	-		
01/04/93	84,720	39,065	252	10 250	-	<0.5	<0.5	<0.5	<1	-	-	5,400	2,100	450	7,800	-		
02/15/93	102,689	57,034	428	14,739	<200	<0.5	<0.5	<0.5	<1	-	41,000	6,600	3,200	250	9,600	-		
02/22/93	146,430	57,034	-	14 739	The system pumped air and flowmeter jumped from 102,689 gallons to 146,430 gallons.						-	-	-	-	-	-	-	
03/08/93	147,500	58,104	76	15,104	-	<0.5	<0.5	<0.5	<1	-	-	7,400	3,400	56	11,000	-		
04/26/93	151,200	61,804	76	16 291	<100	<0.5	<0.5	<0.5	<1	-	36,000	4,300	2,200	420	8,300	-		
04/26/93	151,200	61,804	-	16,291	Shut down system for repair						-	-	-	-	-	-	-	
07/21/93	151,240	61,844	0	16 303	Restart the system						-	-	-	-	-	-	-	
08/11/93	151,650	62,254	20	16,426	-	<0.5	<0.5	<0.5	<1	-	-	6,500	2,300	390	6,200	-		
09/16/93	154,005	64,609	65	17 200	<60	<0.3	<0.3	<0.3	<0.6	-	43,000	2,300	320	<4.4	2,900	-		
10/04/93	154,896	65,500	50	17,482	<60	<0.3	<0.3	<0.3	<0.6	-	33,000	2,900	470	6.9	3,500	-		
11/05/93	157,431	68,035	79	17 989	<50	<0.3	<0.3	<0.3	<0.5	-	15,000	1,100	27	<0.3	920	-		
12/03/93	159,324	69,928	68	18,233	<50	<0.3	<0.3	<0.3	<0.5	-	16,000	1,100	88	<6.6	2,300	-		
01/06/94	166,440	77,044	209	19 181	-	<0.3	<0.3	<0.3	<0.5	-	-	3,800	730	<13	1,200	-		
02/03/94	170,720	81,324	153	19,752	-	<0.3	<0.3	<0.3	<0.5	-	-	3,600	610	<4.4	4,800	-		
03/03/94	178,168	88,772	266	20,744	-	<0.3	<0.3	<0.3	<0.5	-	-	2,800	2,000	270	3,400	-		
04/07/94	185,670	96,274	214	22 056	<50	<0.3	<0.3	<0.3	<0.5	-	26,000	2,200	550	<6.6	1,900	-		
05/12/94	188,840	99,444	91	22,460	<50	<0.3	<0.3	<0.3	<0.5	-	4,800	100	10	8.4	280	-		
06/16/94	194,680	105,284	167	22 684	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
07/11/94	199,135	109,739	178	22,832	<50	<0.3	<0.3	<0.3	<0.5	-	4,000	220	<2.6	<2.6	320	-		
08/04/94	200,910	111,514	74	22 919	<50	<0.3	<0.3	<0.3	<0.5	-	7,800	480	6.2	<0.3	630	-		
09/15/94	203,450	114,054	60	23,036	<50	<0.3	<0.3	<0.3	<0.5	-	3,200	150	2.4	2.6	170	-		
10/10/94	205,210	115,814	70	23 069	<50	<0.3	<0.3	<0.5	<0.5	-	1,300	8.6	1.5	1.1	15	-		
11/07/94	206,060	116,664	30	23 074	<50	<0.3	<0.3	<0.5	<0.5	-	170	1.5	<0.3	<0.5	0.5	-		
12/05/94	207,093	117,697	37	23 075	<50	<0.3	<0.3	<0.5	<0.5	-	75	1.3	<0.3	<0.5	<0.5	-		
01/09/95	207,293	117,897	6	23 075	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
02/01/95	207,650	118,254	16	23,075	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
02/06/95	207,810	118,414	32	23 075	<50	<0.3	<0.3	<0.5	<0.5	-	<50	2.7	<0.3	<0.5	<0.5	-		
03/10/95	208,430	119,034	19	23,076	<100	<0.5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0.5	<1	-		
04/10/95	208,564	119,168	4	23 079	<100	<0.5	<0.5	<0.5	<1	-	3,300	180	7.6	2.1	150	-		
05/08/95	208,608	119,212	2	23,082	<100	<0.5	<0.5	<0.5	<1	-	11,000	640	9.2	<5	1,100	-		
05/05/95	208,926	119,530	11	23 103	<100	<0.5	<0.5	<0.5	<1	-	5,100	270	2.2	<0.5	49	-		
07/10/95	214,182	124,786	150	23 500	<100	<0.5	<0.5	<0.5	<1	-	13,000	1,600	120	24	1,300	-		
08/07/95	221,876	132,480	275	24 332	Shut down system for repair						-	-	-	-	-	-	-	

TABLE 3
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	Total H-C Removed (lbs)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
					TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
08/28/95	221,997	132,601	6	24,346	Restart the system											
09/06/95	222,003	132,607	1	24,346	<100	<0.5	<0.5	<0.5	<1	-	2,300	<0.5	<0.5	<0.5	<1	-
10/09/95	222,343	132,947	10	24,352	<100	<0.5	<0.5	<0.5	<1	-	2,000	5.6	0.77	0.66	3.8	-
11/06/95	222,704	133,308	13	24,360	<50	0.3	0.31	<0.3	0.68	-	3,000	27	1.7	3.7	48	-
12/11/95	223,792	134,396	31	24,387	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	0.96	-
01/08/96	224,661	135,265	31	24,400	970	<0.3	<0.3	<0.3	0.67	-	1,800	39	<0.3	<0.3	<0.5	-
02/12/96	227,812	138,416	90	24,467	<50	10	0.37	<0.3	0.53	-	3,300	190	<7.5	<7.5	20	-
03/12/96	229,301	139,905	51	24,504	<50	<0.3	<0.3	<0.3	<0.5	-	2,700	250	2.3	<1.5	<2.5	-
04/08/96	242,320	152,924	482	24,704	<50	<0.3	<0.3	<0.3	<0.5	-	1,000	90	5	<0.3	67	-
05/06/96	247,840	158,444	197	25,072	100	<0.3	<0.3	<0.3	<0.5	-	15,000	2,200	600	32	2,400	-
06/03/96	248,423	159,027	21	25,145	Shut down system for carbon change											
08/08/96	248,423	159,027	-	25,145	Start-up system											
08/20/96	248,630	159,234	17	25,149	<50	<0.3	<0.3	<0.3	<0.5	-	2,100	24	<0.3	<0.3	49	-
09/23/96	259,030	169,634	306	25,417	<50	<0.3	<0.3	<0.3	<0.5	-	4,100	260	<3	<3	34	-
10/16/96	263,610	174,214	199	25,547	<50	<0.3	<0.3	<0.3	<0.5	-	2,700	220	3.8	<0.6	44	-
11/19/96	263,986	174,590	11	25,553	<50	<0.3	<0.3	<0.3	<0.5	-	1,200	<0.3	<0.3	<0.3	<0.5	-
12/16/96	264,210	174,814	8	25,581	<50	<0.3	<0.3	<0.3	1.5	-	29,000	410	2,300	120	1,100	-
01/22/97	266,220	176,824	54	26,393	<50	<0.3	<0.3	<0.3	<0.5	-	68,000	<0.3	<0.3	<0.3	<0.5	-
02/24/97	267,030	177,634	25	26,794	<50	<0.3	<0.3	<0.3	<0.5	-	51,000	3,500	3,200	390	2,200	-
03/17/97	267,230	177,834	10	26,911	<50	<0.3	<0.3	<0.3	<0.5	-	89,000	<6	11	<6	14	-
04/21/97	267,415	178,019	5	27,026	<50	<0.3	<0.3	<0.3	<0.5	-	61,000	730	18	130	360	-
05/22/97	276,535	187,139	294	29,375	<50	<0.3	<0.3	<0.3	<0.5	-	850	1.3	<0.3	0.4	4.6	-
06/23/97	281,214	191,818	146	29,408	-	-	-	-	-	-	-	-	-	-	-	-
07/14/97	284,210	194,814	143	29,501	<50	<0.3	<0.3	<0.3	<0.5	-	6,600	<0.3	0.59	<0.3	9	-
08/18/97	298,610	209,214	411	30,293	-	-	-	-	-	-	-	-	-	-	-	-
09/15/97	301,043	211,647	87	30,427	-	-	-	-	-	-	-	-	-	-	-	-
10/07/97	333,480	244,084	1,474	44,014	<50	<0.3	<0.3	<0.3	<0.5	-	94,000	<0.3	<0.3	<0.3	<0.5	-
11/17/97	334,286	244,890	20	44,645	-	-	-	-	-	-	-	-	-	-	-	-
12/08/97	334,382	244,986	5	44,720	-	-	-	-	-	-	-	-	-	-	-	-
12/12/97	334,382	244,986	-	44,720	Shut down system due to stolen equipment											
04/08/98	334,382	244,986	-	44,720	<50	<0.3	<0.3	<0.3	<0.5	<20	3,100	12	1	<0.3	490	2,600
05/11/98	334,382	244,986	-	44,720	-	-	-	-	-	-	-	-	-	-	-	-
06/22/98	334,382	244,986	-	44,720	-	-	-	-	-	-	-	-	-	-	-	-
07/20/98	334,382	244,986	-	44,720	<50	<0.3	<0.3	<0.3	<0.5	-	52,000	8	0.52	0.83	1.5	-
08/03/98	346,521	257,125	867	49,977	Shut down system for carbon canisters replacement											
09/17/98	354,985	265,589	188	53,642	-	-	-	-	-	-	-	-	-	-	-	-
10/14/98	358,015	268,619	112	54,338	<50	<0.3	<0.3	<0.3	1.6	-	3,100	45	13	3.5	350	-
11/05/98	359,600	270,204	72	54,378	System shut down due to vandalism and stolen equipment											
11/20/98	359,600	270,204	-	54,378	Restart											
12/11/98	369,452	280,056	469	54,633	-	-	-	-	-	-	-	-	-	-	-	-
12/24/98	-	280,056	-	54,633	No reading, meter broken											
01/15/99	0	280,056	-	54,633	Replaced Flowmeter started at 0											

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	Total H-C Removed (lbs)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
					TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
01/21/99	985.5	281,042	164	54,636	57	<0.3	<0.3	<0.3	0.76	-	380	6.2	1	<0.3	9.1	-
02/12/99	1,971.0	282,027	45	54,639	-	-	-	-	-	-	-	-	-	-	-	-
03/12/99	4,390.0	284,446	86	54,647	-	-	-	-	-	-	-	-	-	-	-	-
04/15/99	8,595.0	288,651	124	54,661	<50	<0.3	<0.3	<0.3	<0.5	<5	410	1.6	0.78	<0.3	5	*580 / 330
05/04/99	9,410.0	289,466	43	54,663	-	-	-	-	-	-	-	-	-	-	-	-
05/18/99	9,410.0	289,466	-	54,663	Shut down system for pump controller repair by manufacturer											
09/20/99	9,411.0	289,467	0	54,663	Restart the system											
09/24/99	9,412.4	289,468	0	54,663	-	-	-	-	-	-	-	-	-	-	-	-
10/13/99	9,509.8	289,566	5	54,666	<50	<0.3	<0.3	<0.3	<0.5	<5	6,000	<0.3	<0.3	<0.3	<0.5	13,000
11/12/99	9,701.9	289,758	6	54,676	-	-	-	-	-	-	-	-	-	-	-	-
12/17/99	9,893.7	289,950	5	54,685	-	-	-	-	-	-	-	-	-	-	-	-
01/20/00	10,052.1	290,108	5	54,693	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
02/17/00	10,156.6	290,213	4	54,698	-	-	-	-	-	-	-	-	-	-	-	-
03/13/00	10,354.7	290,411	8	54,708	-	-	-	-	-	-	-	-	-	-	-	-
04/05/00	10,545.7	290,602	8	54,897	72.7	1.8	4.1	0.7	6.7	-	119,000	2,360	6,440	6,240	25,200	*30,800 / 21,800
05/19/00	11,071.7	291,128	12	55,419	Shut down system for carbon drum replacement											
06/05/00	11,075.4	291,131	0	55,419	Restart the system											
06/14/00	11,131.6	291,188	6	55,474	<50	<0.3	<0.3	<0.3	<0.6	<5	<1,000	<6	<6	<6	14	24,500
07/06/00	11,362.0	291,418	10	55,703	Shut down system for carbon replacement											
07/17/00	0.0	291,418	-	55,703	Restart the system after carbon change, repipe and flowmeter change (starting at 0.0)											
07/24/00	411.0	291,829	59	55,907	<50	<0.3	<0.3	<0.3	<0.6	<5	205	<0.3	1	<0.3	<0.6	*99 / 104
08/21/00	8,193.0	299,611	278	55,920	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	27,251.0	318,669	681	55,953	-	-	-	-	-	-	-	-	-	-	-	-
10/18/00	54,280.0	345,698	901	96,155	<50	<0.18	<0.14	<0.18	<0.26	<0.24	357,000	2,380	2,960	1,290	6,850	9,630
10/30/00	64,610.0	356,028	861	126,867	-	-	-	-	-	-	-	-	-	-	-	-
11/27/00	79,870.0	371,288	545	172,235	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	99,240.0	390,658	775	229,823	-	-	-	-	-	-	-	-	-	-	-	-
01/17/01	101,250.0	392,668	77	233,018	<50	<0.18	<0.14	<0.18	<0.26	<0.24	24,700	783	373	2	3,480	15,000
02/23/01	144,120.0	435,538	1,159	241,836	-	-	-	-	-	-	-	-	-	-	-	-
03/30/01	195,400.0	486,818	1,465	252,385	-	-	-	-	-	-	-	-	-	-	-	-
04/06/01	199,090.0	490,508	527	253,144	System shut down for carbon replacement, Replaced on 4/11/01, restart on 4/13/01											
04/20/01	207,050.0	498,468	569	255,172	88	<0.18	<0.14	<0.18	<0.26	93	36,500	855	716	659	1,570	11,400
04/27/01	210,640.0	502,058	513	256,263	System shut down for repair/replacement of compressor's pressure switch and exhaust valve											
04/30/01	210,640.0	502,058	-	256,263	320	<0.18	<0.14	<0.18	<0.26	*337 / 60	7,620	268	22	10	124	*13,600 / 9,130
05/11/01	210,640.0	502,058	-	256,263	Replaced pressure switch on 5/7/01, system still off for carbon replacement											
05/21/01	210,640.0	502,058	-	256,263	Restart the system											
05/30/01	226,830.0	518,248	1,799	263,289	<50	<0.18	<0.14	<0.18	<0.26	<0.24	96,600	4,980	1,660	2,770	11,300	*53,600 / 41,600
06/29/01	267,230.0	558,648	1,347	295,790	-	-	-	-	-	-	-	-	-	-	-	-
07/11/01	310,010.0	601,428	3,565	341,855	<50	<0.18	<0.14	<0.18	<0.26	<0.24	162,000	<0.18	4,140	4,760	24,000	<0.24
08/17/01	441,270.0	732,688	3,548	518,940	-	-	-	-	-	-	-	-	-	-	-	-
09/28/01	498,310.0	789,728	1,358	595,894	-	-	-	-	-	-	-	-	-	-	-	-
10/03/01	503,930.0	795,348	1,124	600,424	<50	<0.18	<0.14	<0.18	<0.26	<0.24	31,600	<1.8	150	294	5,280	<2.4

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Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	Total H-C Removed (lbs)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
					TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
11/12/01	664,700.0	956,118	4,019	642,733	-	-	-	-	-	-	-	-	-	-	-	-
12/28/01	706,300.0	997,718	904	653,680	-	-	-	-	-	-	-	-	-	-	-	-
01/11/02	721,050.0	1,012,468	1,054	657,562	System shut down for carbon replacement											
01/21/02	721,050.0	1,012,468	-	657,562	Restart the system											
02/01/02	731,320.0	1,022,738	934	658,963	<100	<0.3	<0.3	<0.3	<0.6	<5	1,172	1	1	1	6	<5
02/22/02	751,340.0	1,042,758	953	659,159	-	-	-	-	-	-	-	-	-	-	-	-
03/27/02	813,240.0	1,104,658	1,876	659,763	-	-	-	-	-	-	-	-	-	-	-	-
04/12/02	835,170.0	1,126,588	1,371	660,975	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12,100	5	1	<0.18	<0.26	18,400
04/26/02	918,670.0	1,210,088	5,964	669,389	System shut down											
05/10/02	918,680.0	1,210,098	1	669,390	Restart											
05/17/02	928,670.0	1,220,088	1,427	670,397	-	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	-	-	-	-	<0.5	<0.7	<0.8	<3.3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
06/03/02	-	-	-	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	Split-sample results (sample collected by us)					
06/07/02	971,240.0	1,262,658	2,027	674,686	-	-	-	-	-	-	-	-	-	-	-	-
06/28/02	1,012,150.0	1,303,568	1,948	678,809	-	-	-	-	-	-	-	-	-	-	-	-
07/15/02	1,045,670.0	1,337,088	1,972	681,977	<50	<0.18	<0.14	<0.18	<0.26	3.3 J	10,600	<0.18	<0.14	<0.18	<0.26	10,000
07/31/02	1,052,380.0	1,343,798	419	682,569	System shut down for carbon replacement											
08/16/02	1,052,390.0	1,343,808	1	682,569	Restart											
08/30/02	1,057,310.0	1,348,728	351	683,004	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	-	-	-	-	Sample results from EBMUD not received yet						Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
09/20/02	1,061,730.0	1,353,148	210	683,394	<50	<0.1	<0.15	<0.06	-	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)					
09/27/02	1,064,020.0	1,355,438	327	683,596	-	-	-	-	-	-	-	-	-	-	-	-
10/04/02	1,069,130.0	1,360,548	730	683,787	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4,500 J	<0.18	<0.14	<0.18	<0.26	2,570
10/25/02	1,082,500.0	1,373,918	637	684,289	-	-	-	-	-	-	-	-	-	-	-	-
11/29/02	1,108,680.0	1,400,098	748	685,270	-	-	-	-	-	-	-	-	-	-	-	-
12/27/02	1,123,890.0	1,415,308	543	685,840	-	-	-	-	-	-	-	-	-	-	-	-
01/03/03	1,128,910.0	1,420,328	717	686,028	System shut down for carbon replacement											
01/10/03	1,128,970.0	1,420,388	9	686,030	Restart											
01/17/03	1,132,560.0	1,423,978	513	686,999	<50	<0.14	<0.07	<0.08	1.1	<2.0	32,400	11	64	<0.8	6,050	706
01/31/03	1,143,290.0	1,434,708	766	689,460	<15	<0.04	0.58	<0.02	1.1	<0.03	22,700	14	34	18	5,160	550
02/14/03	1,153,670.0	1,445,088	741	691,423	System shut down for carbon replacement											
04/04/03	1,153,670.0	1,445,088	-	691,423	System kept off and dismantled for upgrade											

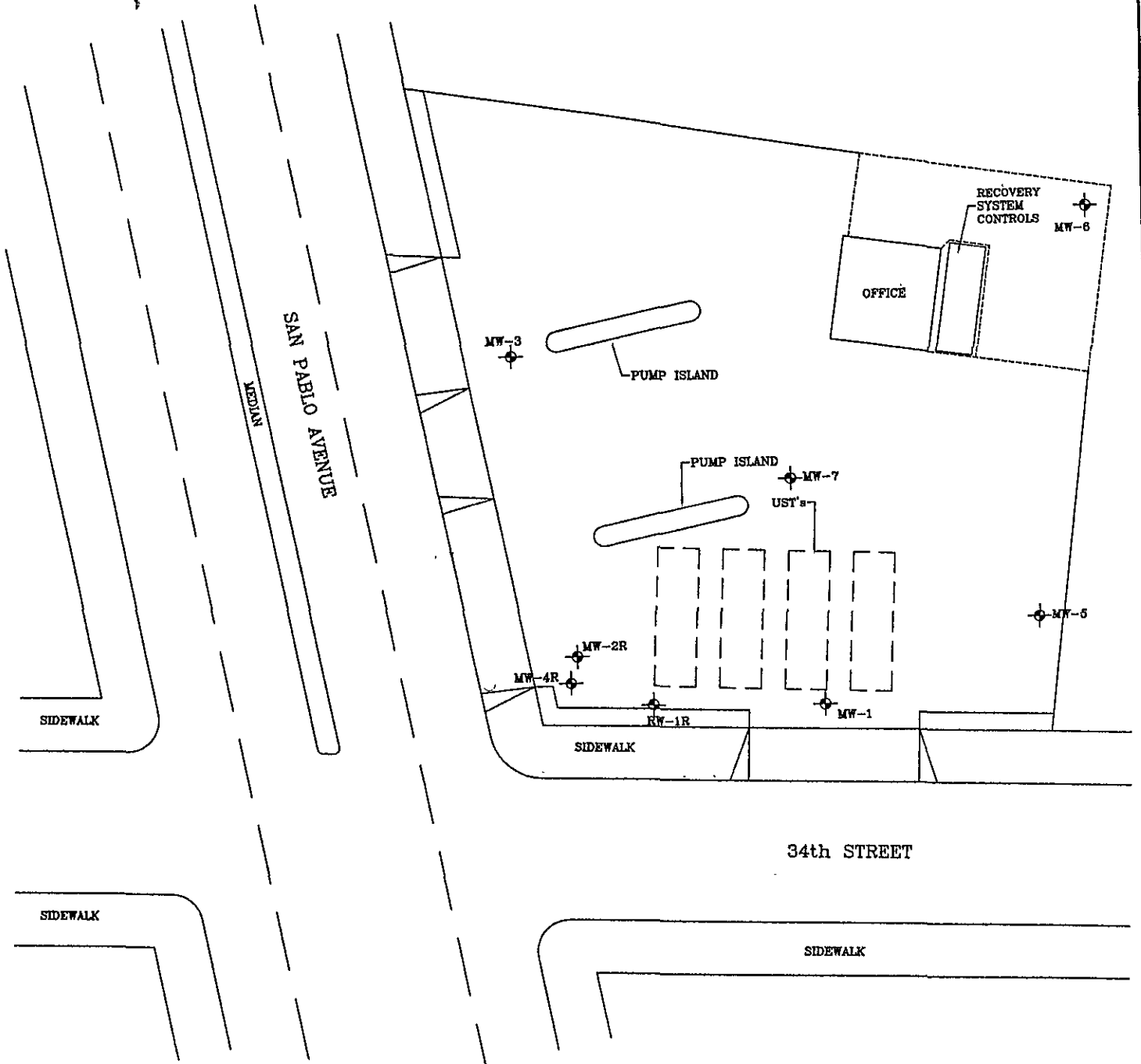
WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0	NE
--------------------------	----	-----	-----	-----	-----	----

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
 Total Hydrocarbons Removed = From 4/8/91 to 2/10/92, the influent TPHg is assumed to be 47,000 (3/9/92)

FIGURES



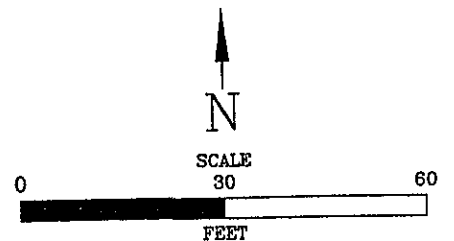
LEGEND

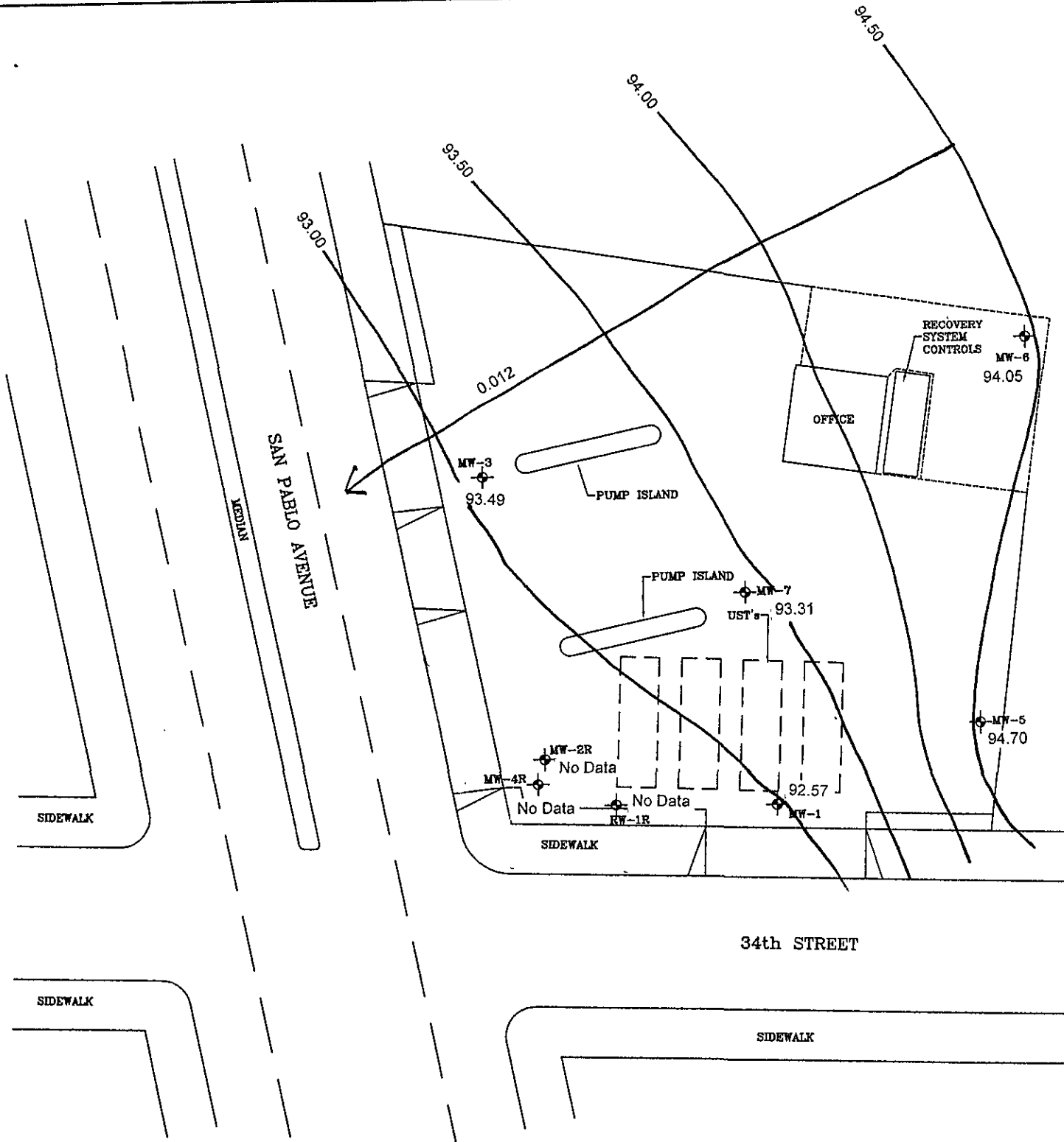
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION

SITE PLAN
 THRIFTY OIL #049
 3400 SAN PABLO AVE
 OAKLAND, CALIFORNIA



FIGURE:

1





LEGEND

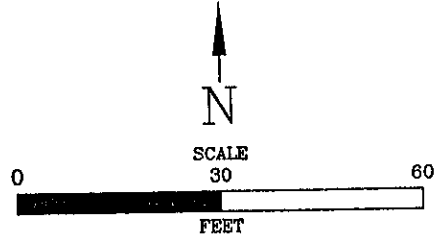
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION

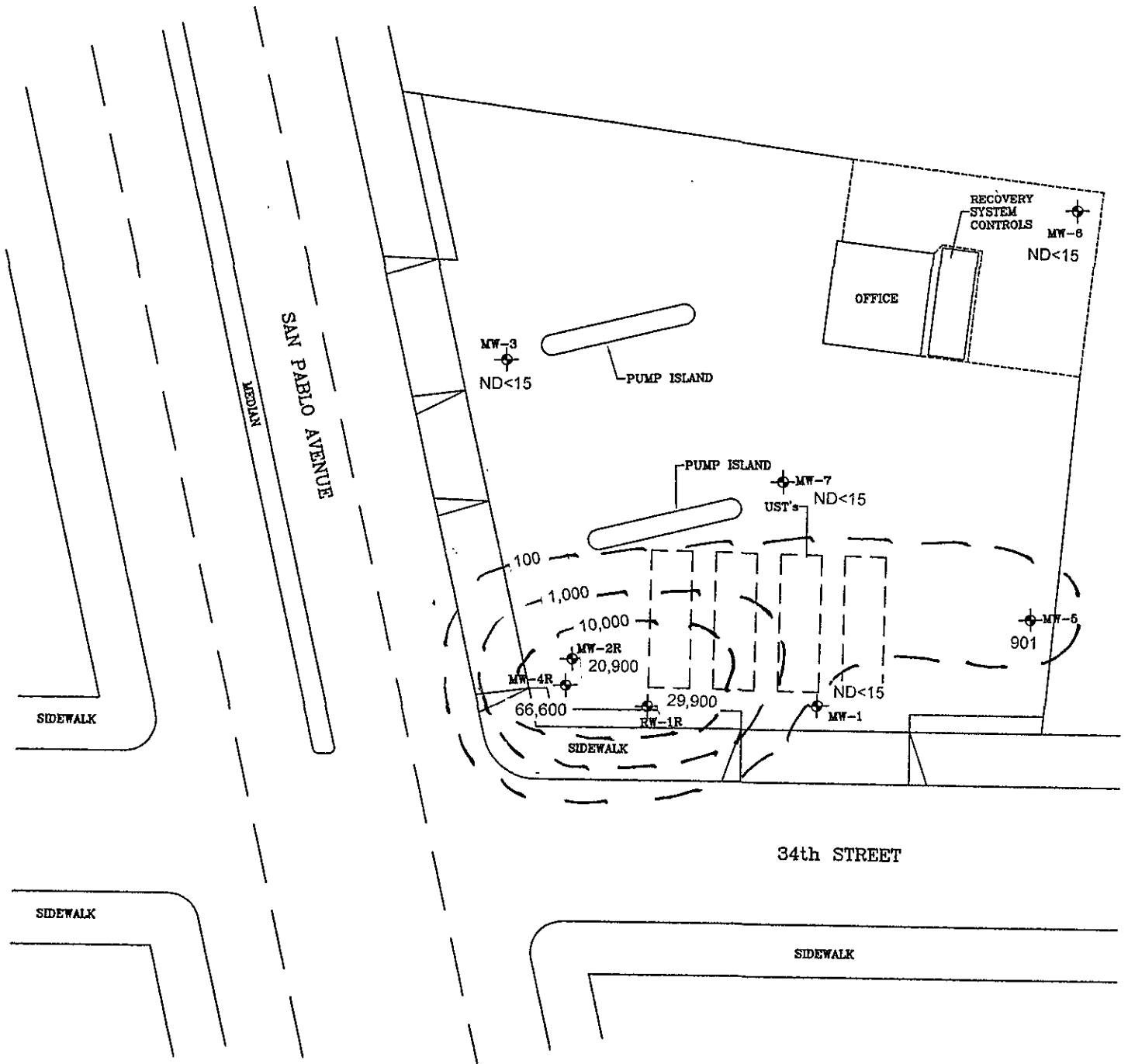
GROUNDWATER CONTOURS

THRIFTY OIL #049
 3400 SAN PABLO AVE
 OAKLAND, CALIFORNIA



FIGURE:

2





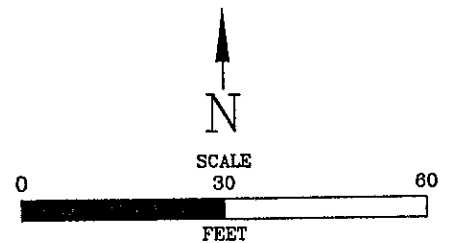
LEGEND

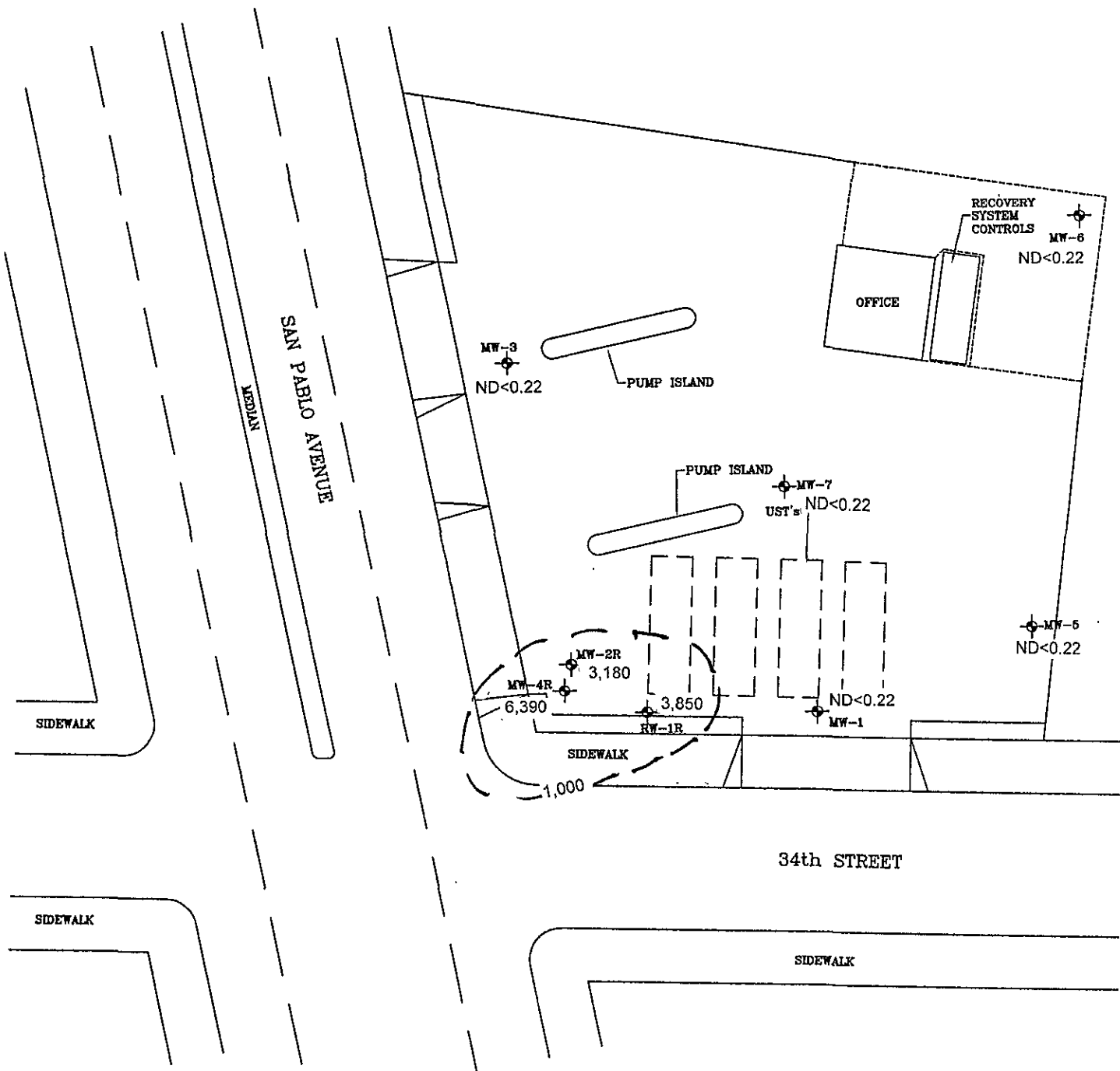
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION

TPHg in GROUNDWATER
 THRIFTY OIL #049
 3400 SAN PABLO AVE
 OAKLAND, CALIFORNIA

FIGURE:

3





LEGEND

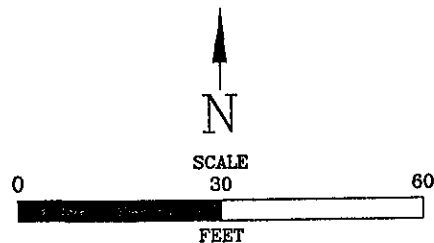
- MW-4R RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION

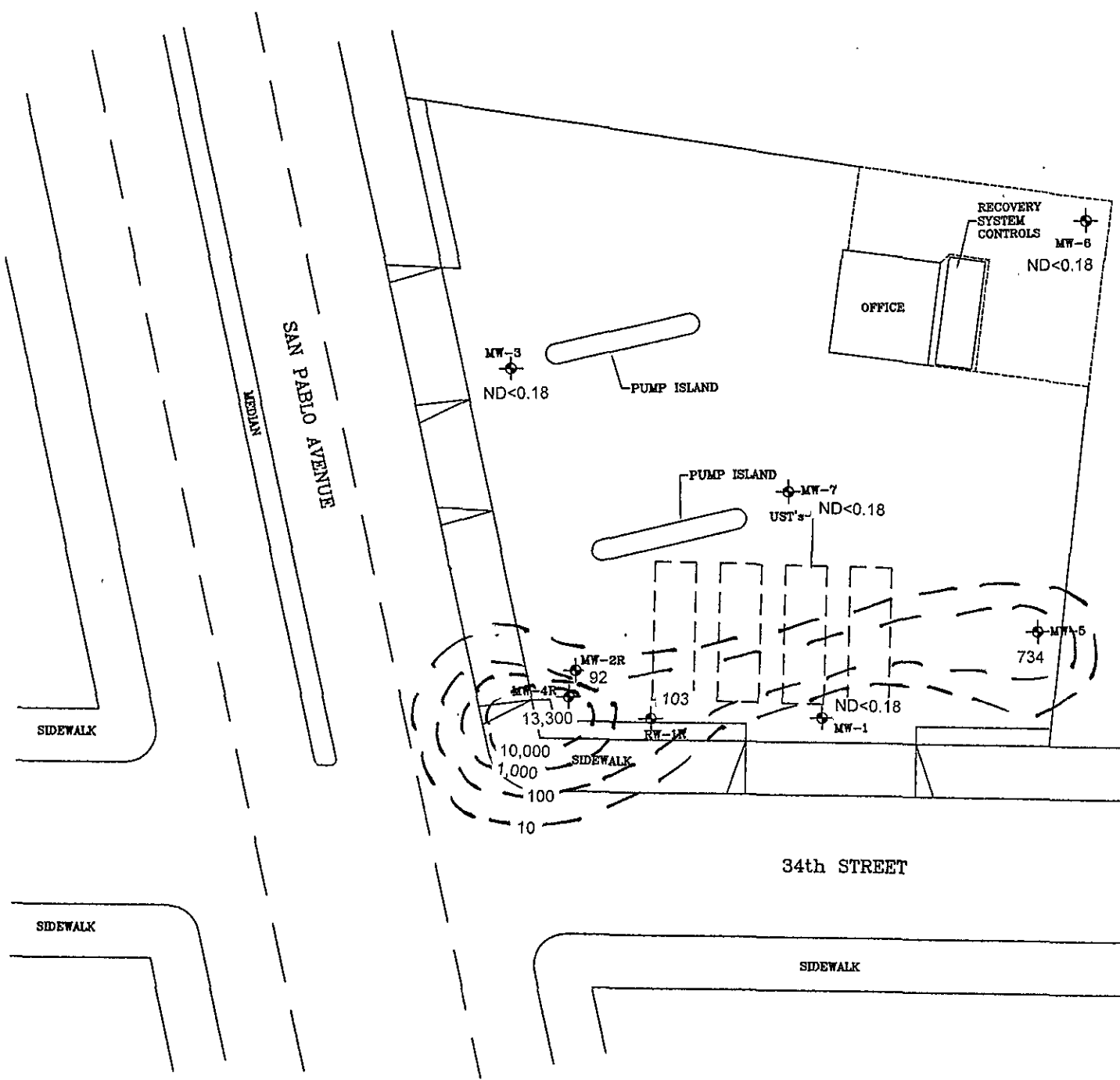
Benzene in GROUNDWATER

THRIFTY OIL #049
 3400 SAN PABLO AVE
 OAKLAND, CALIFORNIA



FIGURE:

4





LEGEND

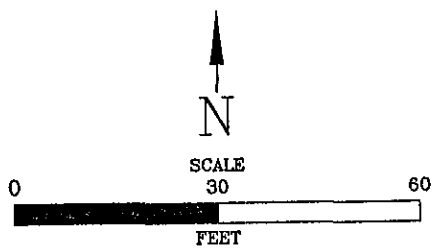
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION

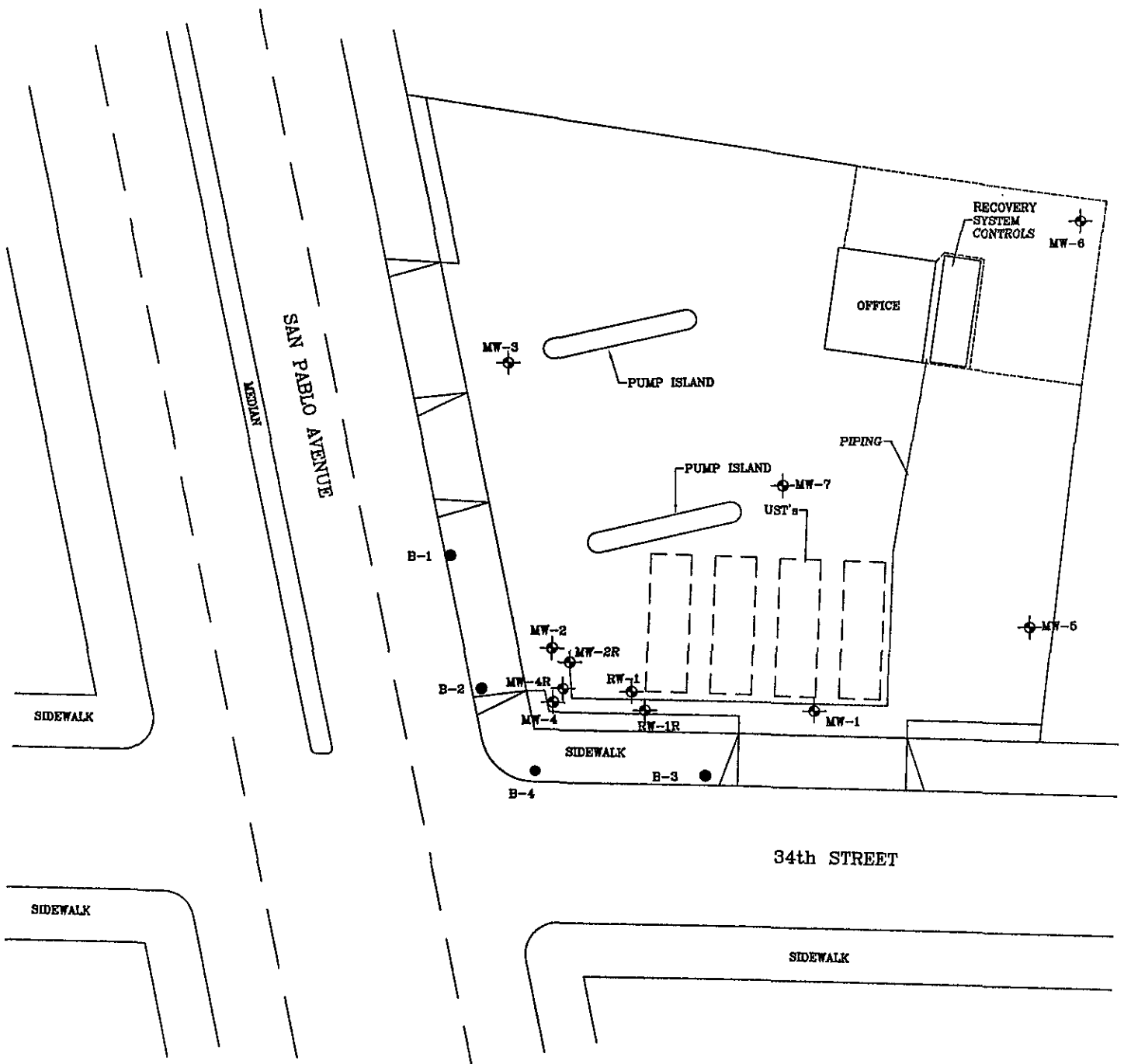
MTBE in GROUNDWATER

THRIFTY OIL #049
 3400 SAN PABLO AVE
 OAKLAND, CALIFORNIA

FIGURE:

5



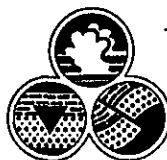


LEGEND

- RECOVERY SYSTEM PIPING
- MW-4R ◉ RECOVERY WELL LOCATION
- MW-1 ◉ MONITORING WELL LOCATION
- SB-1 ● SOIL BORING LOCATION
- MW-4 ◉ ABANDONED MONITORING WELL LOCATION

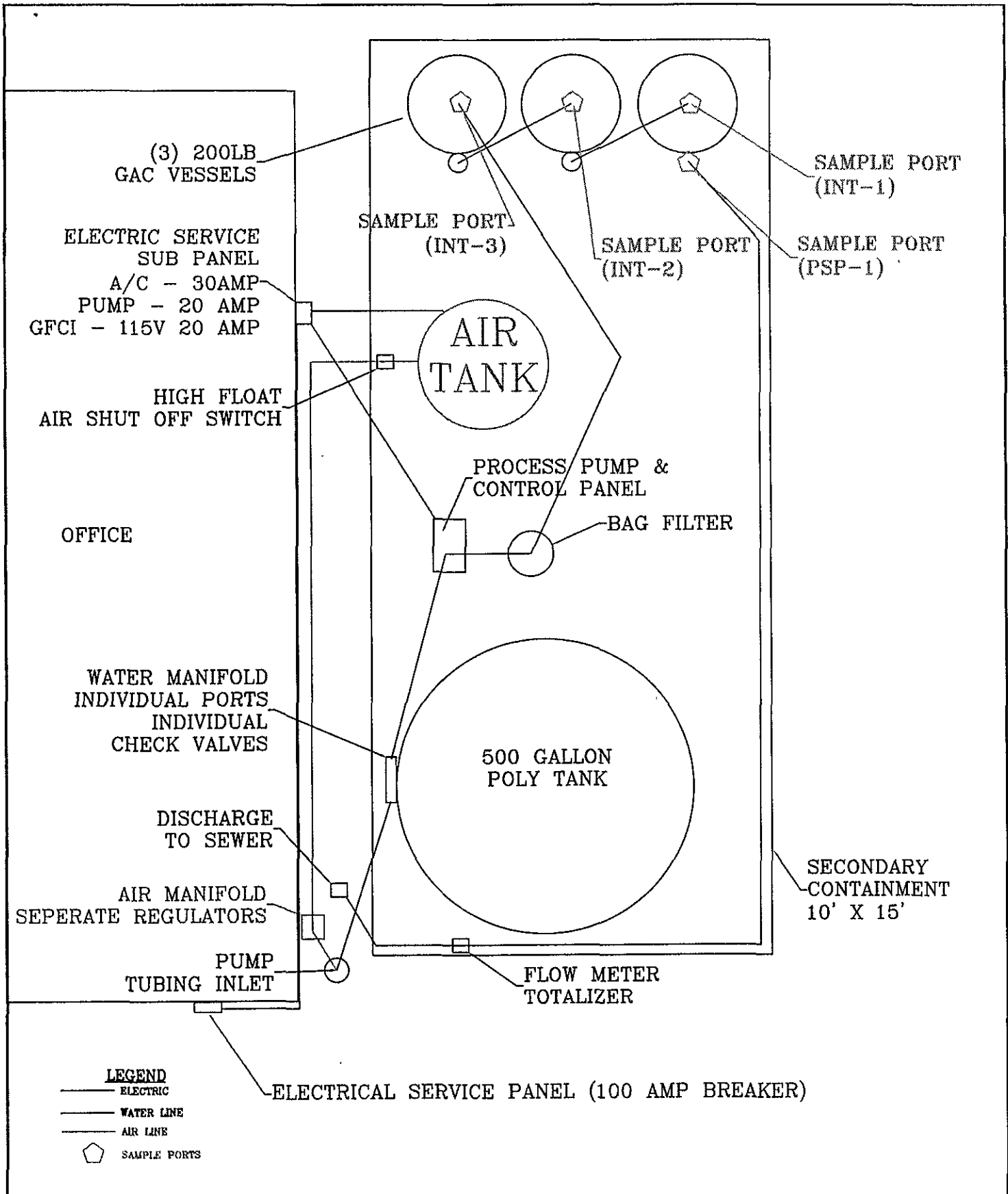
REMEDIATION SYSTEM LAYOUT

Thrifty Oil #49
 3400 San Pablo Avenue
 Oakland, California



Advanced
GeoEnvironmental, Inc.

PROJECT NO. AGE-NC-03-1049	FILE: Thrifty49-2	FIGURE:
DATE: 19 April 2004	DRAWN BY: CRM	6



TREATMENT COMPOUND LAYOUT
 THRIFTY OIL STATION #049
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA



Advanced
 GeoEnvironmental, Inc.

PROJECT NO. AGE-NC-03-1049	FILE: Thrifty49-6	FIGURE:
DATE: 26 MAY 2004	DRAWN BY: MAC	7

APPENDIX A



PROJECT STATUS REPORT

SITE: THRIFTY OIL CO. #049
 ADDRESS: 3400 SAN PABLO AVE.
OAKLAND, CA.94612

DATE: 10-20-04

PERSONNEL: S. ERBAN

WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL)		COMMENT
							EST.	ACT.	
MONTHLY/QUARTERLY									
1 MW-1		5.46	17.73			2"	8	8	
2 MW-2R		3.72	16.74			4"	34	34	
3 MW-3		4.20	24.13			2"	13	13	
4 MW-4R		3.38	19.62			4"	42	42	
5 MW-5		4.15	13.77			2"	6	6	
6 MW-6		5.62	13.06			2"	5	5	
7 MW-7		5.71	13.56			4"	22	22	
8 RW-1R		4.28	19.07			4"	34	34	

FREE PRODUCT REMOVED: APPROX. — GALLONS

PURGE-WATER REMOVED: APPROX. 169 GALLONS

REMARKS: Monitoring wells and take water sample from them

EXPLANATION: DTP= DEPTH TO PRODUCT, DTW= DEPTH TO WATER, DTB= DEPTH TO BOTTOM; ALL MEASURED FROM TOP OF CASING
 PT= PRODUCT THICKNESS, WC= WATER COLUMN, DIA= DIAMETER, EST=ESTIMATE, ACT= ACTUAL, FT= FEET, GAL= GALLONS

REV 6/30/2004

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-20-04
Address:			
Personnel:	SEBBATI	Weather:	SUNNY DAY
Well No:	MW-1	Equip:	ARTIFER

Before Purging:			
Total Well Depth: (ft.)	17.74	Well Diameter	24
Depth to Water (ft)	5.46	Est. Purge Volume:	8

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	10:23	10:26	10:29	10:32	10:35		
C	1360	1300	1370	1360	1360		
H	5.47	5.48	5.49	5.43	5.48		
Temp	71.6	71.8	71.6	71.3	71.1		
Sal.	1	3	4	6	8		
Time							
C							
H							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.42	Total Well Depth(ft.)	17.74

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	H 044	Date:	10-20-04
Address:			
Personnel:	SERBAY	Weather:	SUNNY DRY
Well No:	MW-2R	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	16.74	Well Diameter	44
Depth to Water (ft)	3.72	Est. Purge Volume:	34

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	11:45	11:52	11:59	12:07	12:15		
TC	1420	1430	1460	1470	1460		
H	5.82	5.83	5.81	5.83	5.82		
Temp	71.4	71.6	71.8	71.7	71.6		
Sal.	6	13	20	27	34		
Time							
TC							
H							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.23	Total Well Depth(ft).	16.74

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-20-04
Address:			
Personnel:	SERBATA	Weather:	SUNNY DAY
Well No:	MW-3	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	24.13	Well Diameter	24
Depth to Water (ft)	4.20	Est. Purge Volume:	13

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	11:14	11:18	11:22	11:26	11:30		
C	1450	1410	1400	1380	1390		
H	5.32	5.46	5.47	5.46	5.47		
Temp	21.7	21.5	21.2	21.6	21.3		
Sal.	2	5	7	10	13		
Time							
C							
H							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	7.06	Total Well Depth(ft).	24.13

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 044	Date:	10-20-04
Address:			
Personnel:	SERRA	Weather:	SUNNY City
Well No:	MW-4R	Equip:	BAUER

Before Purging:			
Total Well Depth (ft.)	19.62	Well Diameter	4"
Depth to Water (ft)	3.38	Est. Purge Volume:	42

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	12:36	12:43	12:52	13:00	13:10		
EC	1360	1370	1420	1430	1420		
pH	5.65	5.66	5.67	5.65	5.66		
Temp	71.8	71.6	71.6	71.4	71.4		
Sal.	8	16	25	33	42		
Time							
EC							
pH							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	7.12	Total Well Depth(ft.)	19.62

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-20-09
Address:			
Personnel:	SERRA	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	13.77	Well Diameter	24
Depth to Water (ft)	4.15	Est. Purge Volume:	6

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	10:07	10:09	10:11	10:13	10:15		
C	1740	1710	1690	1650	1670		
H	5.44	5.56	5.32	5.53	5.57		
Temp	71.3	71.1	70.9	70.8	70.8		
Sal.	1	2	3	4	6		
Time							
C							
H							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.24	Total Well Depth (ft.)	13.77

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site: <u>HL 049</u>	Date: <u>10-20-04</u>
Address: _____	
Personnel: <u>SERBAN,</u>	Weather: <u>SUNNY DAY</u>
Well No: <u>MW-6</u>	Equip: <u>BAILER</u>

Before Purging:			
Total Well Depth: (ft.)	<u>13.06</u>	Well Diameter	<u>2"</u>
Depth to Water (ft)	<u>5.46</u>	Est. Purge Volume:	<u>5</u>

Sampling Data:							
	Initial Turbidity:			Final Turbidity:			
Time	<u>9:52</u>	<u>9:54</u>	<u>9:56</u>	<u>9:58</u>	<u>10:00</u>		
TC	<u>1630</u>	<u>1640</u>	<u>1670</u>	<u>1710</u>	<u>1690</u>		
H	<u>5.42</u>	<u>5.41</u>	<u>5.47</u>	<u>5.43</u>	<u>5.41</u>		
Temp	<u>72.1</u>	<u>72.3</u>	<u>72.4</u>	<u>72.3</u>	<u>72.3</u>		
Gal.	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		
Time							
TC							
H							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	<u>6.14</u>	Total Well Depth(ft.)	<u>13.06</u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 044	Date:	10-20-04
Address:			
Personnel:	SERBAN,	Weather:	SUNNY DAY
Well No:	MW-7	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	13.56	Well Diameter	4"
Depth to Water (ft)	5.71	Est. Purge Volume:	22

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	10:46	10:52	10:58	11:04	11:10		
TC	1840	1860	1740	1780	1760		
H	5.52	5.11	5.30	5.52	5.30		
Temp	71.4	71.6	71.8	71.6	71.4		
Sal.	4	8	13	17	22		
Time							
TC							
H							
Temp							
Sal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	7.23
Total Well Depth(ft)	13.56

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-20-04
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	RW-1R	Equip:	BATUER

Before Purging:			
Total Well Depth: (ft)	19.07	Well Diameter	4.4
Depth to Water (ft)	4.28	Est. Purge Volume:	39

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	13:23	13:32	13:42	13:51	14:00		
EC	1420	1430	1450	1430	1420		
pH	5.23	5.22	5.24	5.23	5.23		
Temp	71.6	71.8	71.6	71.2	71.1		
Sal.	7	15	23	31	39		
Time							
EC							
pH							
Temp							
Sal.							

After Purging/Before Sample Collection			
Depth to Water (ft)	6.42	Total Well Depth(ft)	19.07

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 138879 ✓

REPORTED 10/29/2004

RECEIVED 10/21/2004

PROJECT Station #049 ✓
3400 San Pablo Ave., Oakland

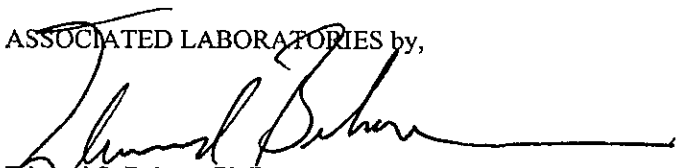
SUBMITTER Client

COMMENTS Global ID: T0600101365

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. ✓

<u>Order No.</u>	<u>Client Sample Identification</u>
566783	TOC #049, MW-6
566784	TOC #049, MW-5
566785	TOC #049, MW-1
566786	TOC #049, MW-7
566787	TOC #049, MW-3
566788	TOC #049, MW-2R
566789	TOC #049, MW-4R
566790	TOC #049, RW-1R
566791	TOC #049, Trip Blank
566792	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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 566783

Client Sample ID: TOC #049, MW-6

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/26/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/26/04 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L	10/26/04 LB
Toluene	ND	1	5	0.32 ug/L	10/26/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/26/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 130
Surr3 - Toluene-d8	101			%	70 - 130
Surr4 - p-Bromofluorobenzene	99			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L	10/26/04 LZ
----------	----	---	----	---------	-------------

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	98			%	55 - 200

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



Order #: 566784

Client Sample ID: TOC #049, MW-5

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/26/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/26/04 LB
Methyl-tert-butylether (MTBE)	734	1	1	0.18 ug/L	10/26/04 LB
Toluene	ND	1	5	0.32 ug/L	10/26/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/26/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	102			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

8015M - Gasoline

Gasoline	901	1	50	15 ug/L	10/26/04 LZ
----------	-----	---	----	---------	-------------

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	101			%	55 - 200

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



Order #: 566785

Client Sample ID: TOC #049, MW-1

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:25

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/26/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/26/04 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L	10/26/04 LB
Toluene	ND	1	5	0.32 ug/L	10/26/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/26/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	103			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 130
Surr3 - Toluene-d8	97			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L	10/26/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	98			%	55 - 200

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



Order #: 566786

Client Sample ID: TOC #049, MW-7

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/27/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/27/04 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L	10/27/04 LB
Toluene	ND	1	5	0.32 ug/L	10/27/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/27/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 130
Surr3 - Toluene-d8	100			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L	10/26/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	97			%	55 - 200

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



Order #: 566787

Client Sample ID: TOC #049, MW-3

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/27/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/27/04 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L	10/27/04 LB
Toluene	ND	1	5	0.32 ug/L	10/27/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/27/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 130
Surr3 - Toluene-d8	99			%	70 - 130
Surr4 - p-Bromofluorobenzene	103			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L	10/26/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	99			%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace



Order #: 566788

Client Sample ID: TOC #049, MW-2R

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 14:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	3180	25	25.0	0.22	ug/L	10/28/04 LB
Ethyl benzene	259	25	125.0	0.31	ug/L	10/28/04 LB
Methyl-tert-butylether (MTBE)	92	25	25.0	0.18	ug/L	10/28/04 LB
Toluene	2970	25	125.0	0.32	ug/L	10/28/04 LB
Xylenes, total	1240	25	125.0	0.4	ug/L	10/28/04 LB
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	103			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	88			%	70 - 130	
Surr3 - Toluene-d8	96			%	70 - 130	
Surr4 - p-Bromofluorobenzene	99			%	70 - 130	
8015M - Gasoline						
Gasoline	20900	10	500.0	15	ug/L	10/26/04 LZ
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	162			%	55 - 200	

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



Order #: 566789

Client Sample ID: TOC #049, MW-4R

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 15:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	6390	50	50.0	0.22	ug/L	10/28/04 LB
Ethyl benzene	672	50	250.0	0.31	ug/L	10/28/04 LB
Methyl-tert-butylether (MTBE)	13300	50	50.0	0.18	ug/L	10/28/04 LB
Toluene	6560	50	250.0	0.32	ug/L	10/28/04 LB
Xylenes, total	3290	50	250.0	0.4	ug/L	10/28/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	101			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	87			%	70 - 130
Surr3 - Toluene-d8	96			%	70 - 130
Surr4 - p-Bromofluorobenzene	96			%	70 - 130

8015M - Gasoline

Gasoline	66000	50	2500.0	15	ug/L	10/26/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	123			%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace



Order #: 566790

Client Sample ID: TOC #049, RW-1R

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 16:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	3850	25	25.0	0.22	ug/L	10/28/04 LB
Ethyl benzene	381	25	125.0	0.31	ug/L	10/28/04 LB
Methyl-tert-butylether (MTBE)	103	25	25.0	0.18	ug/L	10/28/04 LB
Toluene	4010	25	125.0	0.32	ug/L	10/28/04 LB
Xylenes, total	1920	25	125.0	0.4	ug/L	10/28/04 LB
Surrogates						
Surr1 - Dibromofluoromethane	101				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	86				%	70 - 130
Surr3 - Toluene-d8	97				%	70 - 130
Surr4 - p-Bromofluorobenzene	95				%	70 - 130
8015M - Gasoline						
Gasoline	29900	10	500.0	15	ug/L	10/26/04 LZ
Surrogates						
a,a,a-Trifluorotoluene	164				%	55 - 200

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



Order #: 566791

Client Sample ID: TOC #049, Trip Blank

Matrix: WATER

Date Sampled: 10/20/2004 Time Sampled: 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22	ug/L	10/28/04 LB
Ethyl benzene	ND	1	5	0.31	ug/L	10/28/04 LB
Toluene	ND	1	5	0.32	ug/L	10/28/04 LB
Xylenes, total	ND	1	5	0.4	ug/L	10/28/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	102			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 130
Surr3 - Toluene-d8	100			%	70 - 130
Surr4 - p-Bromofluorobenzene	105			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15	ug/L	10/26/04 LZ
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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 #: 566792

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L	10/26/04 LB
Ethyl benzene	ND	1	5	0.31 ug/L	10/26/04 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L	10/26/04 LB
Toluene	ND	1	5	0.32 ug/L	10/26/04 LB
Xylenes, total	ND	1	5	0.4 ug/L	10/26/04 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	98			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 130
Surr3 - Toluene-d8	98			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L	10/26/04 LZ
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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 - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 138879-793
 Analysis Date: October 26, 2004 7:55 PM
 Applies to: LR 138945, 138963, 138879, 139002

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	54.93	54.14	110	108	1	22	59-172
MTBE	ND	50	51.83	51.49	104	103	1	24	62-137
Benzene	ND	50	53.71	52.07	107	104	3	24	62-137
Trichloroethene	ND	50	51.04	51.42	102	103	1	21	66-142
Toluene	ND	50	49.16	51.31	98	103	4	21	59-139
Chlorobenzene	ND	50	50.67	52.28	101	105	3	21	60-133

QC Sample: LCS/LCSD 1:41 PM
 Analysis Date: October 26, 2004

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	%REC
1,1-Dichloroethene	ND	50	53.12	53.39	106	107	1	22	59-172
MTBE	ND	50	50.95	52.19	102	104	2	24	62-137
Benzene	ND	50	52.68	52.95	105	106	1	24	62-137
Trichloroethene	ND	50	52.14	49.58	104	99	5	21	66-142
Toluene	ND	50	51.25	48.67	103	97	5	21	59-139
Chlorobenzene	ND	50	51.35	50.33	103	101	2	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	98	103	103	101	97	106
1,2-DCA	102	106	100	95	95	99
Tol-d8	98	97	95	98	94	95
p-BFB	102	101	101	100	101	102

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: October 25, 2004
 Analysis Date: October 25 - 26, 2004
 ID#'s in Batch: LR 139024, 139017, 138879, 139085, 138613

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	524	522	105	104	0

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	93
LCS	163
LCSD	166

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 139085-677

Analysis Date: October 28, 2004 6:18 AM

Applies to: LR 138879, 139085

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	54.96	53.78	110	108	2	22	59-172
MTBE	ND	50	54.03	53.86	108	108	0	24	62-137
Benzene	ND	50	53.80	53.01	108	106	1	24	62-137
Trichloroethene	ND	50	49.90	48.48	100	97	3	21	66-142
Toluene	ND	50	49.44	47.57	99	95	4	21	59-139
Chlorobenzene	ND	50	50.20	49.20	100	98	2	21	60-133

QC Sample: LCS/LCSD 11:47 AM

Analysis Date: October 28, 2004

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	%REC
1,1-Dichloroethene	ND	50	56.29	57.39	113	115	2	22	59-172
MTBE	ND	50	53.74	54.68	107	109	2	24	62-137
Benzene	ND	50	56.07	56.38	112	113	1	24	62-137
Trichloroethene	ND	50	52.73	51.79	105	104	2	21	66-142
Toluene	ND	50	50.68	49.97	101	100	1	21	59-139
Chlorobenzene	ND	50	51.83	51.24	104	102	1	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 2	MB 3	MS	MSD	LCS	LCSD
DBFM	100	103	104	102	102	105
1,2-DCA	104	105	100	100	96	98
Tol-d8	99	96	93	97	94	93
p-BFB	95	101	96	99	100	95



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Thomby oil Project: TOC 049

Date Cooler Received: 10-21 Date Cooler Opened: 10-21

Was cooler scanned for presence of radioactivity? Yes/No
If yes was radioactivity results above 25 cpm? Yes/No

Was a shipper's packing slip attached to the cooler? Yes/No

If the cooler had custody seal(s), were they signed and intact? Yes/No/Na

Was the cooler packed with: Ice Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 3.0 °C *

*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C? Yes/No

If no explain: _____

Were all samples sealed in plastic bags? Yes/No

Did all samples arrive intact? If no, indicate below. Yes/No

Were all samples labeled correctly? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers? Yes/No

Were any VOA vials received with head space? Yes/No/Na

Was the correct preservatives used? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: pv Date: 10-21

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 562 421-3581		A.L. Job No. 138879		Page 1 of 1			
Project Manager JEFF BURYARD BURA		Fax 562 421-7510		Analysis Requested			Test Instructions & Comments		
Project Name Q.W.S.		Project # #049							
Site Name and Address 3400 SAN PABLO AVE, OAKLAND, CA. 94612							TO600101365		
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH(8015M)	BTEX(8200B)	MDEP(8260B)
1. MW-6		10-20-04	14:10	H ₂ O	3-VOA	HCL	X	X	X
2. MW-5		↓	14:20	↓	↓	↓	X	X	X
3. MW-1			14:25				X	X	X
4. MW-7			14:30				X	X	X
5. MW-3			14:40				X	X	X
6. MW-2R			14:50				X	X	X
7. MW-4R			15:00				X	X	X
8. RW-1R			16:10				X	X	X
9. TRIP BLANK			00:00				X	X	
10									
11									
12									
13									
14									
15									
Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: EMC 1.		Relinquished by GOLDEN STATE 2.		Relinquished by 3.	
Total Number of Containers	16	Properly Cooled (Y/N/NA)		Signature: [Signature]	Signature: OVERNIGHT	Signature:		Signature:	
Custody Seals Y/N/NA		Samples Intact (Y/N/NA)		Printed Name: SERBANI POPICU	Printed Name:	Printed Name:		Printed Name:	
Received in Good Condition Y/N		Samples Accepted (Y/N)		Date: 10-20-04 Time: 17:30	Date:	Time:	Date:	Time:	
Turn Around Time				Received By: GOLDEN STATE 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: OVERNIGHT		Signature: [Signature]		Signature:	
				Printed Name:		Printed Name: [Signature]		Printed Name:	
				Date:		Date: 10-21 Time: 9:30		Date: 10-22-04 Time: 2:00	

APPENDIX C



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 142615

REPORTED 01/10/2005

RECEIVED 12/28/2004

PROJECT Station #049

SUBMITTER Client

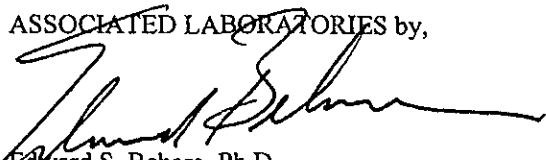
COMMENTS

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.

<u>Order No.</u>	<u>Client Sample Identification</u>
583938	TOC #049, INT1/122304
583939	TOC #049, INT2/122304
583940	TOC #049, INT3/122304
583941	TOC #049, PSP-1/122304
583942	TOC #049, INLET/122304
583943	TOC #049, MW4R/122304
583944	TOC #049, RW1R/122304
583945	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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 583938

Client Sample ID: TOC #049, INT1/122304

Matrix: WATER

Date Sampled: 12/23/2004 Time Sampled: 09:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.14	ug/L	12/30/04 LZ
Ethyl benzene	ND	1	0.3	0.18	ug/L	12/30/04 LZ
Methyl t - butyl ether	70	5	25.0	0.22	ug/L	12/30/04 LZ
Toluene	ND	1	0.3	0.16	ug/L	12/30/04 LZ
Xylene (total)	ND	1	0.6	0.45	ug/L	12/30/04 LZ

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	87			%	70 - 130

8015M - Gasoline

Gasoline	90	1	50	15	ug/L	12/30/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	90			%	55 - 200

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



Order #: 583939

Client Sample ID: TOC #049, INT2/122304

Matrix: WATER

Date Sampled: 12/23/2004 Time Sampled: 09:33

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	16	10	3.0	0.14	ug/L	12/30/04 LZ
Ethyl benzene	ND	10	3.0	0.18	ug/L	12/30/04 LZ
Methyl t - butyl ether	1520	100	500.0	0.22	ug/L	12/30/04 LZ
Toluene	ND	10	3.0	0.16	ug/L	12/30/04 LZ
Xylene (total)	30	10	6.0	0.45	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	86				%	70 - 130
8015M - Gasoline						
Gasoline	2070	10	500.0	15	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	81				%	55 - 200

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



Order #: 583940

Client Sample ID: TOC #049, INT3/122304

Matrix: WATER

Date Sampled: 12/23/2004 Time Sampled: 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	311	10	3.0	0.14	ug/L	12/30/04 LZ
Ethyl benzene	207	10	3.0	0.18	ug/L	12/30/04 LZ
Methyl t - butyl ether	5470	100	500.0	0.22	ug/L	12/30/04 LZ
Toluene	157	10	3.0	0.16	ug/L	12/30/04 LZ
Xylene (total)	1500	10	6.0	0.45	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	102				%	70 - 130
8015M - Gasoline						
Gasoline	16000	10	500.0	15	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	171				%	55 - 200

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



Order #: 583941

Client Sample ID. TOC #049, PSP-1/122304

Matrix: WATER

Date Sampled: 12/23/2004 Time Sampled: 09:42

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.14	ug/L	12/30/04 LZ
Ethyl benzene	ND	1	0.3	0.18	ug/L	12/30/04 LZ
Toluene	ND	1	0.3	0.16	ug/L	12/30/04 LZ
Xylene (total)	1.2	1	0.6	0.45	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	84				%	70 - 130

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



Order #: 583942

Client Sample ID. TOC #049, INLET/122304

Matrix: WATER

Date Sampled: 12/23/2004 Time Sampled: 09:48

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	473	20	6.0	0.14	ug/L	12/30/04 LZ
Ethyl benzene	488	20	6.0	0.18	ug/L	12/30/04 LZ
Methyl t - butyl ether	6080	100	500.0	0.22	ug/L	12/30/04 LZ
Toluene	256	20	6.0	0.16	ug/L	12/30/04 LZ
Xylene (total)	2100	100	60.0	0.45	ug/L	12/30/04 LZ

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	109			%	70 - 130

8015M - Gasoline

Gasoline	23200	20	1000.0	15	ug/L	12/30/04 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	149			%	55 - 200

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



Order #: 583943
Matrix: WATER

Client Sample ID: TOC #049, MW4R/122304
Date Sampled: 12/23/2004 Time Sampled: 09:52

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	677	10	3.0	0.14	ug/L	12/31/04 LZ
Ethyl benzene	975	200	60.0	0.18	ug/L	12/31/04 LZ
Methyl t - butyl ether	7580	200	1000.0	0.22	ug/L	12/31/04 LZ
Toluene	218	10	3.0	0.16	ug/L	12/31/04 LZ
Xylene (total)	2750	200	120.0	0.45	ug/L	12/31/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	103				%	70 - 130
8015M - Gasoline						
Gasoline	23300	10	500.0	15	ug/L	12/31/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	200*				%	55 - 200

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



Order #: 583944
Matrix: WATER

Client Sample ID: TOC #049, RW1R/122304
Date Sampled: 12/23/2004 Time Sampled: 09:58

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	361	20	6.0	0.14	ug/L	12/31/04 LZ
Ethyl benzene	150	20	6.0	0.18	ug/L	12/31/04 LZ
Methyl t - butyl ether	6370	100	500.0	0.22	ug/L	12/31/04 LZ
Toluene	280	20	6.0	0.16	ug/L	12/31/04 LZ
Xylene (total)	2120	20	12.0	0.45	ug/L	12/31/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	107				%	70 - 130
8015M - Gasoline						
Gasoline	21500	20	1000.0	15	ug/L	12/31/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	149				%	55 - 200

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



Order #: 583945

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.14	ug/L	12/30/05 LZ
Ethyl benzene	ND	1	0.3	0.18	ug/L	12/30/05 LZ
Methyl t - butyl ether	ND	1	5	0.22	ug/L	12/30/05 LZ
Toluene	ND	1	0.3	0.16	ug/L	12/30/05 LZ
Xylene (total)	ND	1	0.6	0.45	ug/L	12/30/05 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	97				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	12/30/04 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	97				%	55 - 200

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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: December 30, 2004
 Analysis Date: December 30 - 31, 2004
 ID#'s in Batch: LR 142615, 142656, 142700, 142724

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	488	496	98	99	2

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	97
LCS	183
LCSD	176

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Prep. Date: December 30, 2004

Analysis Date: December 30 - 31, 2004

LAB ID#'s in Batch: LR 142615

REPORTING UNITS = ug/L

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix LCS	Matrix LCSD	%Rec LCS	%Rec LCSD	RPD
Benzene	8021	ND	20	19.9	20.0	100	100	1
Toluene	8021	ND	20	19.8	20.0	99	100	1
Ethylbenzene	8021	ND	20	20.5	20.8	103	104	1
Xylenes	8021	ND	60	57.9	58.8	97	98	2

ND = Not Detected

RPD = Relative Percent Difference of Matrix LCS and Matrix LCSD

%REC-LCS & LCSD = Percent Recovery of LCS & LCSD

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	97
LCS	99
LCSD	95

AAA-TFT = a,a,a-Trifluorotoluene



Advanced
GeoEnvironmental, Inc.

837 Shaw Road - Stockton, California - 95215 - (209) 467-1006 - Fax (209) 467-1118

CHAIN OF CUSTODY RECORD

Date 12-23-04 Page 1 of 1

142615

Client <u>Thrifty Oil Co.</u>	Project Manager <u>Mike Bowery</u>	Tests Required
	Phone Number <u>562-921-3581</u>	Invoice: AGE <input type="checkbox"/> Client <input checked="" type="checkbox"/>
	Samplers (Signature) 	
Project Name <u>Thrifty Station #049</u>		

Sample Number	Location Description	Date	Time	Sample Type			Solid	No. of Conts.	TPH-9	BTEX	MTBE by 80218	Notes
				Water Comp.	Grab.	Air						
<u>INT1/122304</u>	<u>Before 3rd canister</u>	<u>12-23-04</u>	<u>0940</u>		<u>X</u>			<u>3</u>	<u>X</u>	<u>X</u>		
<u>INT2/122304</u>	<u>Before 2nd canister</u>		<u>0933</u>						<u>X</u>	<u>X</u>		
<u>INT3/122304</u>	<u>Before 1st canister</u>		<u>0930</u>						<u>X</u>	<u>X</u>		
<u>PSP-1/122304</u>	<u>discharge</u>		<u>0942</u>						<u>X</u>			<u>Hold</u>
<u>INlet/122304</u>	<u>Combined Inlet</u>		<u>0948</u>						<u>X</u>	<u>X</u>		<u>Hold</u>
<u>MW4R/122304</u>	<u>Pumped Sample</u>		<u>0952</u>						<u>X</u>	<u>X</u>		<u>Hold</u>
<u>RWR/122304</u>	<u>Pumped Sample</u>		<u>0958</u>						<u>X</u>	<u>X</u>		<u>Hold</u>

Relinquished by: (Signature) 	Received by: (Signature) <u>Michelle Stewart</u>	<u>12/23/04 8:57</u>	Date/Time <u>12-27-04/1630</u>
Relinquished by: (Signature)	Received by: (Signature)		Date/Time <u>12-28-04 1:45</u>
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)		Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time

Method of Shipment:	Laboratory Name <u>Associated</u>
Special Instructions: <u>Hold samples not to be analyzed unless authorized by Thrifty Oil Co. - Authorized by Mike Bowery on 12/29/04</u>	I hereby authorize the performance of the above indicated work.