

ROY

PROSILSCAN

# THRIFTY OIL CO.

December 29, 2005

O.62934

Mr. Amir Gholami  
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 #99331865636

RE: **Former Thrifty Oil Co. Station #049**  
3400 San Pablo Avenue  
Oakland, CA 94612  
*4th Quarter 2005, Status Report*

RECEIVED  
DEC 29 2005

Dear Mr. Gholami:

Presented herein is the 4th Quarter 2005, 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 2005. 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 3.86 feet below top of casing (btc) in monitoring/extraction well MW-6 to 7.26 feet btc in monitoring well MW-3 (**Appendix A**). A groundwater elevation contour map based on the October 19, 2005, monitoring data is presented in **Figure 2**. Groundwater elevation data indicates that groundwater flow to the southwest under an approximate gradient of 0.0247 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 19, 2005. 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**. 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 19, 2005, sampling event and are presented in **Figures 3, 4, and 5**, respectively. Laboratory results indicate the highest concentrations of TPHg and MTBE were detected in well MW-4R (1,310 ug/L and 1,160 ug/L, respectively). Benzene was not detected above 0.32 ug/L.



Concentrations of TPHg, benzene, and MTBE have decreased in well MW-3 since October 20, 2003. However, elevated concentrations of TPHg and MTBE were detected in upgradient well MW-5 since April 2004. The groundwater flow direction and TPHg, benzene, and MTBE contour maps suggest that an upgradient offsite source may be possible.

### **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 2**. On April 4, 2003, the system was shut off for upgrading activities. As of April 4, 2003, the system treated approximately 1,445,088 gallons of groundwater since start up (April 1991).

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.

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.

On November 2, 2004, AGE reported that the pump had been stolen from well MW-4R. Due to the fact that well MW-4R produced more water than well MW-2R, the pump from well MW-2R was removed and installed in well MW-4R. On February 25, 2005, a new pump was installed in well MW-4R and the pump was replaced in well MW-2R.

On January 12, 2005, system operations and maintenance duties were assumed by EMC from AGE. During the current reporting period, as of December 14, 2005, the upgraded system produced and treated 3,660 gallons of water for a cumulative system total of 1,548,904 gallons (**Table 2**). A quarterly effluent water sample from the PSP-1 sampling port was collected on October 8, 2005, and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B and for total petroleum hydrocarbons (TPHg) by EPA Method 8015M. TPHg and BTEX were not detected above their respective detection limits. The system was shutdown for quarterly groundwater sampling on October 17, 2005 and restarted on October 21, 2005. Copies of the Field Reports prepared by EMC are provided in **Appendix C** and the system effluent analytical results collected by EMC are provided in **Appendix D**.

### **Recent Site Investigation**

In a transmittal letter dated March 11, 2004, Thrifty submitted preliminary soil and groundwater data from the four offsite soil borings and onsite well replacement activities performed by AGE. On March 18, 2004, Thrifty, AGE, and the Alameda County 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 during 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 still being reviewed by the COPWD following comments by Thrifty. Thrifty expects to complete field activities and submit a site assessment report within 75 days following approval of the encroachment permit.

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 2006 monitoring report.

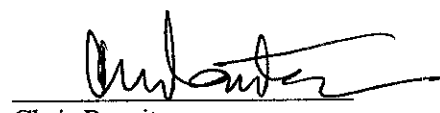
### **Closing Comments**

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, P. G.  
Project Manager



  
Chris Panaitescu  
General Manager  
Environmental Affairs

cc: BP West Coast Products LLC; Mr. Jack Oman  
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)					
<b>MONITORING WELL #MW-1</b>											
<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

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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)					
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
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
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.48	NP	0.00	98.03	92.55
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	6.99	NP	0.00	98.03	91.04
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	6.42	NP	0.00	98.03	91.61
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	6.98	NP	0.00	98.03	91.05
<b>MONITORING WELL #MW-2</b> <i>Screen Interval = 5 to 25 feet</i>											
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

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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)					
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
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										
<b>MONITORING WELL #MW-2R</b>											
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	-	-
01/19/05	18,900	537	250	866	2,290	3,340	4.50	NP	0.00	-	-
04/20/05	13,100	<2.2	<3.2	<3.1	<4.0	563	5.27	NP	0.00	-	-
07/07/05	2,500	70	7.6	<0.24	160	1,930	-	-	-	-	-
07/20/05	4,260	392	15 J	175	100	742	6.12	NP	0.00	-	-
10/19/05	321	<0.32	<0.10	<0.24	<0.30	423	5.28	NP	0.00	-	-
<b>MONITORING WELL #MW-3</b> <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

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DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/05/92	-	-	-	-	-	-	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
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



**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)					
10/20/03	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
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.74	NP	0.00	97.69	91.95
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	7.23	NP	0.00	97.69	90.46
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	6.82	NP	0.00	97.69	90.87
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	7.0	7.26	NP	0.00	97.69	90.43
<b>MONITORING WELL #MW-4</b> <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
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

**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)					
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										
<b>MONITORING WELL #MW-4R</b>											
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	-	-
01/19/05	17,600	513	240	855	2,230	3,310	4.32	NP	0.00	-	-
04/20/05	19,200	190	109	452	974	1,870	4.72	NP	0.00	-	-
07/07/05	11,500	233	68	369	875	2,350	-	-	-	-	-
07/20/05	11,300	251	90	154	1,460	1,280	6.08	NP	0.00	-	-
10/19/05	1,310	<0.32	<0.10	<0.24	<0.30	1,160	5.08	NP	0.00	-	-
<b>MONITORING WELL #MW-5</b> Screen Interval = 4 to 14 feet											
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
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

**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)					
04/05/94	-	-	-	-	-	-	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
01/19/05	350	<0.22	<0.32	<0.31	<0.4	860	4.57	NP	0.00	98.85	94.28
04/20/05	718	<0.22	<0.32	<0.31	<0.4	848	6.10	NP	0.00	98.85	92.75
07/20/05	255	<0.32	<0.10	<0.24	<0.30	274	5.76	NP	0.00	98.85	93.09
10/19/05	225	<0.32	<0.10	<0.24	<0.30	300	6.10	NP	0.00	98.85	92.75
<b>MONITORING WELL #MW-6</b> <i>Screen Interval = 4 to 14 feet</i>											
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

**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)					
04/05/00	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
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
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.40	NP	0.00	99.67	94.27
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.41	NP	0.00	99.67	94.26
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	4.07	NP	0.00	99.67	95.60
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	3.86	NP	0.00	99.67	95.81
<b>MONITORING WELL #MW-7</b>											
<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
04/08/94	9,100	840	31	690	1,200	-	5.48	NP	0.00	99.02	93.54

**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)					
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
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
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	4.77	NP	0.00	99.02	94.25
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.54	NP	0.00	99.02	93.48

**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)					
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	6.80	NP	0.00	99.02	92.22
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	5.89	NP	0.00	99.02	93.13
<b>MONITORING WELL #RW-1</b>											
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	-	-
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	<5	*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	-	-

**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)					
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										
<b>MONITORING WELL #RW-1R</b>											
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	-	-
01/19/05	13,400	272	243	24 J	2,230	2,110	4.54	NP	0.00	-	-
04/20/05	1,220	<0.22	<0.32	<0.31	<0.4	1,580	4.95	NP	0.00	-	-
07/07/05	6,490	410	74	84	620	2,560	-	-	-	-	-
07/20/05	4,900	133	52	<2.4	750	465	6.32	NP	0.00	-	-
10/19/05	572	<0.32	<0.10	<0.24	<0.30	417	5.68	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**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gall/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	-	0.00	-	<0.3	<0.3	<0.3	<0.9	-	-	910	2000	160	2000	-
4/15/1991	1,434	124	18	0.05	-	<0.3	<0.3	<0.3	<0.3	-	-	2800	4600	310	5000	-
4/22/1991	1,510	200	11	0.08	-	<15	<15	<15	<45	-	-	3100	3300	<15	2800	-
4/29/1991	1,660	350	21	0.14	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	4500	300	5000	-
5/6/1991	1,740	430	11	0.17	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	3500	300	3800	-
5/13/1991	1,880	570	20	0.22	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3200	230	3900	-
5/20/1991	2,010	700	19	0.27	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3400	260	5100	-
5/28/1991	2,050	740	5	0.29	-	<0.3	<0.3	<0.3	<0.9	-	-	2900	3000	230	4200	-
6/3/1991	2,110	800	10	0.31	-	<0.3	<0.3	<0.3	<0.9	-	-	2500	2100	110	2800	-
6/10/1991	2,160	850	7	0.33	-	<0.3	<0.3	<0.3	<0.9	-	-	1800	1700	120	2100	-
6/17/1991	2,219	909	8	0.36	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1900	170	2700	-
6/24/1991	2,263	953	6	0.37	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1800	150	2700	-
07/01/91	2,313	1,003	7	0.39	-	<0.5	<0.5	<1	<1	-	-	2,700	2,000	150	2,900	-
07/08/91	2,700	1,390	55	0.54	-	<0.5	<0.5	<1	<1	-	-	4,000	2,500	130	4,400	-
07/15/91	2,872	1,562	25	0.61	-	<0.5	<0.5	<1	<1	-	-	3,100	1,900	140	3,200	-
07/22/91	3,144	1,834	39	0.72	-	<0.5	<0.5	<1	<1	-	-	3,400	2,100	110	2,800	-
07/29/91	3,220	1,910	11	0.75	-	<0.5	<0.5	<1	<1	-	-	5,100	2,200	180	2,700	-
08/05/91	3,348	2,038	18	0.80	-	<0.5	<0.5	<1	<1	-	-	5,100	3,900	400	4,200	-
08/12/91	3,472	2,162	18	0.85	-	<0.5	<0.5	<1	<1	-	-	11,000	6,200	440	8,400	-
08/19/91	3,548	2,238	11	0.88	-	<0.5	<0.5	<1	<1	-	-	4,500	2,400	130	2,600	-
08/26/91	3,655	2,345	15	0.92	-	<0.5	<0.5	<1	<1	-	-	4,400	2,500	260	3,600	-
09/09/91	3,822	2,512	12	0.98	-	<0.5	<0.5	<1	<1	-	-	5,200	3,000	390	3,700	-
09/16/91	3,884	2,574	9	1.01	-	<0.5	<0.5	<1	<1	-	-	4,100	2,000	460	4,900	-
09/23/91	4,013	2,703	18	1.06	-	<0.5	<0.5	<1	<1	-	-	4,600	1,600	710	6,400	-
09/30/91	4,092	2,782	11	1.09	-	<0.5	<0.5	<1	<1	-	-	5,700	2,000	380	6,200	-
10/07/91	4,131	2,821	6	1.10	System shut down						-	-	-	-	-	-
10/14/91	4,195	2,885	9	1.13	-	<0.5	<0.5	<1	<1	-	-	4,400	2,000	370	8,100	-
10/21/91	4,406	3,096	30	1.21	-	<0.5	<0.5	<1	<1	-	-	2,300	1,100	190	4,200	-
10/28/91	4,474	3,164	10	1.24	-	<0.5	<0.5	<1	<1	-	-	6,400	4,100	620	6,100	-
11/03/91	4,613	3,303	23	1.29	-	<0.5	<0.5	<1	<1	-	-	6,100	2,800	200	5,600	-
11/11/91	4,700	3,390	11	1.33	-	<0.5	<0.5	<1	<1	-	-	6,500	2,300	<30	4,900	-
11/18/91	4,887	3,577	27	1.40	-	<0.5	<0.5	<1	<1	-	-	5,600	2,500	300	4,600	-
11/25/91	5,042	3,732	22	1.46	-	<0.5	<0.5	<1	<1	-	-	5,400	2,800	230	5,700	-
12/03/91	5,263	3,953	28	1.55	-	<0.5	<0.5	<1	<1	-	-	7,200	3,300	490	5,500	-
12/09/91	5,362	4,052	17	1.59	-	<0.5	<0.5	<1	<1	-	-	4,400	1,700	140	3,900	-
12/16/91	5,486	4,176	18	1.63	-	<0.5	<0.5	<0.5	<0.5	-	-	4,700	2,300	310	4,600	-
12/23/91	5,516	4,206	4	1.65	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	2,200	290	5,900	-
12/30/91	5,575	4,285	8	1.67	-	<0.5	<0.5	<0.5	<0.5	-	-	5,200	2,500	350	5,800	-
01/15/92	5,720	4,410	9	1.73	-	<0.5	<0.5	<0.5	<0.5	-	-	3,400	1,900	300	6,300	-
02/10/92	6,264	4,954	21	1.94	-	<0.5	<0.5	<0.5	<0.5	-	-	5,800	2,800	320	7,200	-
03/09/92	8,520	7,210	81	2.82	<200	<0.5	1.6	<0.5	<0.5	-	47,000	7,100	4,800	630	10,300	-
04/13/92	22,888	21,578	411	7.37	<200	<0.5	<0.5	<0.5	<0.5	-	29,000	4,500	2,200	160	4,800	-
05/11/92	24,920	23,610	73	7.80	<200	<0.5	<0.5	<0.5	<0.5	-	22,000	4,300	1,500	130	3,800	-

**TABLE 2**  
**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	
06/01/92	28,330	27,020	162	8.37	<200	<0.5	<0.5	<0.5	<0.5	-	18,000	3,400	1,500	660	4,200	-	
07/13/92	72,675	27,020	-	8.37	-	<0.5	<0.5	<0.5	<0.5	-	-	1,800	750	150	5,600	-	
07/13/92	72,675	27,020	-	8.37	The system pumped air and flowmeter jumped from 30,000 gallons to 70,000 gallons.						-	-	-	-	-	-	-
08/17/92	75,046	29,391	68	8.72	-	<0.5	<0.5	<0.5	<0.5	-	-	1,100	350	200	1,100	-	
09/14/92	75,582	29,927	19	8.80	-	<0.5	<0.5	<0.5	<1	-	-	2,100	520	<25	3,500	-	
10/05/92	75,680	30,025	5	8.82	<200	<0.5	<0.5	<0.5	<1	-	19,000	1,700	270	<25	4,000	-	
11/09/92	77,280	31,625	46	9.07	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	1,400	120	5,900	-	
12/14/92	79,420	33,765	61	9.41	-	<0.5	<0.5	<0.5	<1	-	-	7,300	4,900	1,800	16,000	-	
01/04/93	84,720	39,065	252	10.25	-	<0.5	<0.5	<0.5	<1	-	-	5,400	2,100	450	7,800	-	
02/15/93	102,689	57,034	428	14.74	<200	<0.5	<0.5	<0.5	<1	-	41,000	6,600	3,200	260	9,600	-	
02/22/93	146,430	57,034	-	14.74	The system pumped air and flowmeter jumped from 102,689 gallons to 146,430 gallons.						-	-	-	-	-	-	-
03/08/93	147,500	58,104	76	15.10	-	<0.5	<0.5	<0.5	<1	-	-	7,400	3,400	56	11,000	-	
04/26/93	151,200	61,804	76	16.29	<100	<0.5	<0.5	<0.5	<1	-	36,000	4,300	2,200	420	8,300	-	
04/26/93	151,200	61,804	-	16.29	Shut down system for repair						-	-	-	-	-	-	-
07/21/93	151,240	61,844	0	16.30	Restart the system						-	-	-	-	-	-	-
08/11/93	151,650	62,254	20	16.43	-	<0.5	<0.5	<0.5	<1	-	-	6,500	2,300	390	6,200	-	
09/16/93	154,005	64,609	65	17.20	<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	17.48	<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	17.99	<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	18.23	<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	19.18	-	<0.3	<0.3	<0.3	<0.5	-	-	3,800	730	<13	1,200	-	
02/03/94	170,720	81,324	153	19.75	-	<0.3	<0.3	<0.3	<0.5	-	-	3,600	610	<4.4	4,800	-	
03/03/94	178,168	88,772	266	20.74	-	<0.3	<0.3	<0.3	<0.5	-	-	2,800	2,000	270	3,400	-	
04/07/94	185,670	96,274	214	22.06	<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	22.46	<50	<0.3	<0.3	<0.3	<0.5	-	4,600	100	10	8.4	280	-	
06/16/94	194,680	105,284	167	22.68	<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	22.83	<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	22.92	<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	23.04	<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	23.07	<50	<0.3	<0.3	<0.5	<0.5	-	1,300	8.8	1.5	1.1	15	-	
11/07/94	206,060	116,664	30	23.07	<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	23.07	<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	23.08	<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	23.08	<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	23.08	<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	23.08	<100	<0.5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0.5	<1	-	
04/10/95	208,564	119,168	4	23.08	<100	<0.5	<0.5	<0.5	<1	-	3,300	180	7.6	2.1	150	-	
05/08/95	208,608	119,212	2	23.08	<100	<0.5	<0.5	<0.5	<1	-	11,000	640	9.2	<5	1,100	-	
06/05/95	208,926	119,530	11	23.10	<100	<0.5	<0.5	<0.5	<1	-	5,100	270	2.2	<0.5	49	-	
07/10/95	214,182	124,788	150	23.50	<100	<0.5	<0.5	<0.5	<1	-	13,000	1,600	120	24	1,300	-	
08/07/95	221,876	132,480	275	24.33	Shut down system for repair						-	-	-	-	-	-	-
08/28/95	221,997	132,601	6	24.35	Restart the system						-	-	-	-	-	-	-
09/06/95	222,003	132,607	1	24.35	<100	<0.5	<0.5	<0.5	<1	-	2,300	<0.5	<0.5	<0.5	<1	-	

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

Date	Totalizer (gallons)	Total/Conn. 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	
10/09/95	222,343	132,947	10	24.35	<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	24.36	<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	24.39	<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	24.40	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	24.47	<50	10	0.37	<0.3	0.53	-	3,300	190	<7.5	<7.5	20	-	
03/12/96	229,301	139,905	51	24.50	<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	24.70	<50	<0.3	<0.3	<0.3	<0.5	-	1,000	90	5	<0.3	67	-	
05/06/96	247,840	158,444	197	25.07	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	25.15	Shut down system for carbon change						-	-	-	-	-	-	-
08/08/96	248,423	159,027	-	25.15	Start-up system						-	-	-	-	-	-	-
08/20/96	248,630	159,234	17	25.15	<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	25.42	<50	<0.3	<0.3	<0.3	<0.5	-	4,100	260	<3	<3	34	-	
10/16/96	263,610	174,214	199	25.55	<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	25.55	<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	25.58	<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	26.39	<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	26.79	<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	26.91	<50	<0.3	<0.3	<0.3	<0.5	-	89,000	<6	11	<6	14	-	
04/21/97	267,415	178,019	5	27.03	<50	<0.3	<0.3	<0.3	<0.5	-	61,000	730	18	130	360	-	
05/22/97	276,535	187,139	294	29.38	<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	29.41	-	-	-	-	-	-	-	-	-	-	-	-	
07/14/97	284,210	194,814	143	29.50	<50	<0.3	<0.3	<0.3	<0.5	-	6,800	<0.3	0.59	<0.3	9	-	
08/18/97	298,610	209,214	411	30.29	-	-	-	-	-	-	-	-	-	-	-	-	
09/15/97	301,043	211,647	87	30.43	-	-	-	-	-	-	-	-	-	-	-	-	
10/07/97	333,480	244,064	1,474	44.01	<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	44.65	-	-	-	-	-	-	-	-	-	-	-	-	
12/08/97	334,382	244,986	5	44.72	-	-	-	-	-	-	-	-	-	-	-	-	
12/12/97	334,382	244,986	-	44.72	Shut down system due to stolen equipment						-	-	-	-	-	-	-
04/08/98	334,382	244,986	-	44.72	<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	-	44.72	-	-	-	-	-	-	-	-	-	-	-	-	
06/22/98	334,382	244,986	-	44.72	-	-	-	-	-	-	-	-	-	-	-	-	
07/20/98	334,382	244,986	-	44.72	<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	49.98	Shut down system for carbon canisters replacement						-	-	-	-	-	-	-
09/17/98	354,985	265,589	188	53.64	-	-	-	-	-	-	-	-	-	-	-	-	
10/14/98	358,015	268,619	112	54.34	<50	<0.3	<0.3	<0.3	1.6	-	3,100	45	13	3.5	350	-	
11/05/98	359,600	270,204	72	54.38	System shut down due to vandalism and stolen equipment						-	-	-	-	-	-	-
11/20/98	359,600	270,204	-	54.38	Restart						-	-	-	-	-	-	-
12/11/98	369,452	280,056	469	54.63	-	-	-	-	-	-	-	-	-	-	-	-	
12/24/98	-	280,056	-	54.63	No reading, meter broken						-	-	-	-	-	-	-
01/15/99	0	280,056	-	54.63	Replaced Flowmeter started at 0						-	-	-	-	-	-	-
01/21/99	986	281,042	164	54.64	57	<0.3	<0.3	<0.3	0.76	-	380	6.2	1	<0.3	9.1	-	
02/12/99	1,971	282,027	45	54.64	-	-	-	-	-	-	-	-	-	-	-	-	
03/12/99	4,390	284,446	86	54.65	-	-	-	-	-	-	-	-	-	-	-	-	

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**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
04/15/99	8,595	288,651	124	54.66	<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	289,466	43	54.66	-	-	-	-	-	-	-	-	-	-	-	-
05/18/99	9,410	289,466	-	54.66	Shut down system for pump controller repair by manufacturer						-	-	-	-	-	-
09/20/99	9,411	289,467	0	54.66	Restart the system						-	-	-	-	-	-
09/24/99	9,412	289,468	0	54.66	-	-	-	-	-	-	-	-	-	-	-	-
10/13/99	9,510	289,566	5	54.67	<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	9,702	289,758	6	54.68	-	-	-	-	-	-	-	-	-	-	-	-
12/17/99	9,894	289,950	5	54.69	-	-	-	-	-	-	-	-	-	-	-	-
01/20/00	10,052	290,108	5	54.69	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
02/17/00	10,157	290,213	4	54.70	-	-	-	-	-	-	-	-	-	-	-	-
03/13/00	10,355	290,411	8	54.71	-	-	-	-	-	-	-	-	-	-	-	-
04/05/00	10,546	290,602	8	54.90	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	11,072	291,128	12	55.42	Shut down system for carbon drum replacement						-	-	-	-	-	-
06/05/00	11,075	291,131	0	55.42	Restart the system						-	-	-	-	-	-
06/14/00	11,132	291,188	6	55.47	<50	<0.3	<0.3	<0.3	<0.6	<5	<1,000	<6	<6	<6	14	24,500
07/06/00	11,362	291,418	10	55.70	Shut down system for carbon replacement						-	-	-	-	-	-
07/17/00	0	291,418	-	55.70	Restart the system after carbon change, repipe and flowmeter change (starting at 0.0)						-	-	-	-	-	-
07/24/00	411	291,829	59	55.91	<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	299,611	278	55.92	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	27,251	318,669	681	55.95	-	-	-	-	-	-	-	-	-	-	-	-
10/18/00	54,280	345,698	901	96.15	<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	356,028	861	126.87	-	-	-	-	-	-	-	-	-	-	-	-
11/27/00	79,870	371,288	545	172.24	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	99,240	390,658	775	229.82	-	-	-	-	-	-	-	-	-	-	-	-
01/17/01	101,250	392,668	77	233.02	<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	435,538	1,159	241.84	-	-	-	-	-	-	-	-	-	-	-	-
03/30/01	195,400	486,818	1,465	252.38	-	-	-	-	-	-	-	-	-	-	-	-
04/06/01	199,090	490,508	527	253.14	System shut down for carbon replacement; Replaced on 4/11/01, restart on 4/13/01.						-	-	-	-	-	
04/20/01	207,050	498,468	569	255.17	88	<0.18	<0.14	<0.18	<0.26	93	36,500	855	716	659	1,570	11,400
04/27/01	210,640	502,058	513	256.26	System shut down for repair/replacement of compressor's pressure switch and exhaust valve						-	-	-	-	-	
04/30/01	210,640	502,058	-	256.26	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	502,058	-	256.26	Replaced pressure switch on 5/7/01, system still off for carbon replacement.						-	-	-	-	-	-
05/21/01	210,640	502,058	-	256.26	Restart the system						-	-	-	-	-	-
05/30/01	226,830	518,248	1,799	263.29	<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	558,648	1,347	295.79	-	-	-	-	-	-	-	-	-	-	-	-
07/11/01	310,010	601,428	3,565	341.86	<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	732,688	3,548	518.94	-	-	-	-	-	-	-	-	-	-	-	-
09/28/01	498,310	789,728	1,358	595.89	-	-	-	-	-	-	-	-	-	-	-	-
10/03/01	503,930	795,348	1,124	600.42	<50	<0.18	<0.14	<0.18	<0.26	<0.24	31,600	<1.8	150	294	5,280	<2.4
11/12/01	664,700	956,118	4,019	642.73	-	-	-	-	-	-	-	-	-	-	-	-
12/28/01	706,300	997,718	904	653.68	-	-	-	-	-	-	-	-	-	-	-	-
01/11/02	721,050	1,012,468	1,054	657.56	System shut down for carbon replacement						-	-	-	-	-	
01/21/02	721,050	1,012,468	-	657.56	Restart the system						-	-	-	-	-	

**TABLE 2**  
**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	
02/01/02	731,320	1,022,738	934	658.96	<100	<0.3	<0.3	<0.3	<0.6	<5	1,172	1	1	1	6	<5	
02/22/02	751,340	1,042,758	953	659.16	-	-	-	-	-	-	-	-	-	-	-	-	
03/27/02	813,240	1,104,658	1,876	659.76	-	-	-	-	-	-	-	-	-	-	-	-	
04/12/02	835,170	1,126,588	1,371	660.97	<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	1,210,088	5,964	669.39	System shut down						-	-	-	-	-	-	-
05/10/02	918,680	1,210,098	1	669.39	Restart						-	-	-	-	-	-	-
05/17/02	928,670	1,220,088	1,427	670.40	-	-	-	-	-	-	-	-	-	-	-	-	
06/03/02	-	-	-	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	Split-sample results during EBMUD inspection & sampling						
06/07/02	971,240	1,262,658	2,027	674.69	-	-	-	-	-	-	-	-	-	-	-	-	
06/28/02	1,012,150	1,303,568	1,948	678.81	-	-	-	-	-	-	-	-	-	-	-	-	
07/15/02	1,045,670	1,337,088	1,972	681.98	<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	1,343,798	419	682.57	System shut down for carbon replacement						-	-	-	-	-	-	
08/16/02	1,052,390	1,343,808	1	682.57	Restart						-	-	-	-	-	-	
08/30/02	1,057,310	1,348,728	351	683.00	-	-	-	-	-	-	-	-	-	-	-	-	
09/20/02	1,061,730	1,353,148	210	683.39	<50	<0.1	<0.15	<0.06	-	-	Split-sample results during EBMUD inspection & sampling						
09/27/02	1,064,020	1,355,438	327	683.60	-	-	-	-	-	-	-	-	-	-	-	-	
10/04/02	1,069,130	1,360,548	730	683.79	<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	1,373,918	637	684.29	-	-	-	-	-	-	-	-	-	-	-	-	
11/29/02	1,108,680	1,400,098	748	685.27	-	-	-	-	-	-	-	-	-	-	-	-	
12/27/02	1,123,890	1,415,308	543	685.84	-	-	-	-	-	-	-	-	-	-	-	-	
01/03/03	1,128,910	1,420,328	717	686.03	System shut down for carbon replacement						-	-	-	-	-	-	
01/10/03	1,128,970	1,420,388	9	686.03	Restart						-	-	-	-	-	-	
01/17/03	1,132,560	1,423,978	513	687.00	<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	1,434,708	766	689.46	<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	1,445,088	741	691.42	System shut down for carbon replacement						-	-	-	-	-	-	
04/04/03	1,153,670	1,445,088	-	691.42	System kept off and dismantled for upgrade						-	-	-	-	-	-	
06/18/04	0.0	1,445,088	-	691.42	Startup of upgraded system						-	-	-	-	-	-	
06/21/04	2,322.2	1,447,410	774	691.94	-	<0.22	<0.32	<0.31	<0.4	-	-	-	-	-	-	-	
06/23/04	3,361.0	1,448,449	519	692.18	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-	-	
06/25/04	4,398.0	1,449,486	519	692.41	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-	-	
07/01/04	6,395.7	1,451,484	333	692.86	-	-	-	-	-	-	-	-	-	-	-	-	
07/09/04	8,606.5	1,453,695	276	693.36	-	-	-	-	-	-	-	-	-	-	-	-	
07/19/04	11,130.0	1,456,218	252	693.93	-	-	-	-	-	-	-	-	-	-	-	-	
07/29/04	11,348.0	1,456,434	22	693.97	-	-	-	-	-	-	-	-	-	-	-	-	
08/09/04	12,511.0	1,457,599	106	694.24	-	-	-	-	-	-	27,000	201	247	<0.18	2,060	11,300	
08/30/04	19,294.0	1,464,382	323	695.76	-	-	-	-	-	-	-	-	-	-	-	-	
09/03/04	20,211.0	1,465,299	229	695.94	-	<0.14	<0.16	<0.18	<0.45	-	18,900	280	290	27	3,600	9,810	
09/21/04	24,766.0	1,469,854	253	696.65	-	-	-	-	-	-	-	-	-	-	-	-	
10/07/04	28,244.9	1,473,333	217	697.28	-	<0.14	<0.16	<0.18	<0.45	-	24,100	221	151	74	3,100	11,800	
10/18/04	28,288.1	1,473,376	4	697.28	-	<0.14	<0.16	<0.18	<0.45	-	Split-sample results during EBMUD inspection & sampling						
10/21/04	28,463.5	1,473,552	58	697.32	-	-	-	-	-	-	-	-	-	-	-	-	
10/28/04	34,435.8	1,479,524	853	698.52	-	-	-	-	-	-	-	-	-	-	-	-	

**TABLE 2**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total Cum. Discharge (gallons)	Flow (gpd/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	
11/02/04	37,200.4	1,482,288	553	699.07	-	-	-	-	-	-	-	-	-	-	-	-	
11/09/04	39,902.6	1,484,991	386	699.68	-	-	-	-	-	-	29,500	564	628	173	4,550	11,800	
11/17/04	43,165.9	1,488,254	408	700.48	-	-	-	-	-	-	-	-	-	-	-	-	
11/22/04	43,760.3	1,488,848	119	700.62	-	-	-	-	-	-	-	-	-	-	-	-	
12/03/04	43,827.9	1,488,916	6	700.64	-	-	-	-	-	-	-	-	-	-	-	-	
12/09/04	43,862.7	1,488,951	6	700.65	-	-	-	-	-	-	-	-	-	-	-	-	
12/17/04	44,034.6	1,489,123	21	700.69	-	-	-	-	-	-	-	-	-	-	-	-	
12/23/04	45,408.0	1,490,496	229	700.99	-	<0.14	<0.16	<0.18	1.2	-	23,200	473	256	488	2,100	6,080	
12/29/04	47,405.4	1,492,493	333	701.38	-	-	-	-	-	-	-	-	-	-	-	-	
01/07/05	54,048.5	1,499,137	738	702.66	-	-	-	-	-	-	-	-	-	-	-	-	
01/12/05	56,143.5	1,501,232	419	703.07	EMC took over operation and maintenance of system						-	-	-	-	-	-	-
01/14/05	56,307.2	1,501,395	82	703.10	Carbon change						-	-	-	-	-	-	-
01/19/05	56,307.2	1,501,395	-	703.10	Restarted after carbon change						-	-	-	-	-	-	-
01/27/05	57,610.1	1,502,698	163	703.25	<15	<0.14	1.1	<0.18	<0.45	-	4,850	189	205	255	1,450	966	
02/03/05	63,253.1	1,508,341	806	703.48	-	-	-	-	-	-	-	-	-	-	-	-	
02/11/05	65,739.0	1,510,827	311	703.58	-	-	-	-	-	-	-	-	-	-	-	-	
02/18/05	67,326.3	1,512,414	227	703.64	-	-	-	-	-	-	-	-	-	-	-	-	
02/24/05	67,392.1	1,512,480	11	703.65	-	-	-	-	-	-	-	-	-	-	-	-	
03/09/05	67,984.2	1,513,072	46	703.67	-	-	-	-	-	-	-	-	-	-	-	-	
03/17/05	69,219.3	1,514,307	154	703.72	-	-	-	-	-	-	-	-	-	-	-	-	
03/23/05	70,454.2	1,515,542	206	703.77	-	-	-	-	-	-	-	-	-	-	-	-	
03/30/05	71,783.1	1,516,871	190	703.82	-	-	-	-	-	-	-	-	-	-	-	-	
04/06/05	75,721.2	1,520,809	563	704.08	<15	<0.14	0.91	<0.18	<0.45	-	10,900	247	112	356	892	2,010	
04/07/05	-	-	-	-	<15	<0.14	<0.16	<0.18	<0.45	<0.22	Split-sample results during EBMUD inspection & sampling						
04/14/05	79,730.2	1,524,818	501	704.45	System was turned off for QWS						-	-	-	-	-	-	-
04/21/05	79,885.1	1,524,973	22	704.46	Restarted system						-	-	-	-	-	-	-
04/27/05	80,674.2	1,525,762	132	704.53	-	-	-	-	-	-	-	-	-	-	-	-	
05/12/05	83,901.3	1,528,989	215	704.82	-	-	-	-	-	-	-	-	-	-	-	-	
05/20/05	84,601.7	1,529,690	88	704.89	-	-	-	-	-	-	-	-	-	-	-	-	
05/27/05	86,432.1	1,531,520	261	705.05	-	-	-	-	-	-	-	-	-	-	-	-	
06/02/05	87,654.3	1,532,742	204	705.17	-	-	-	-	-	-	-	-	-	-	-	-	
06/09/05	87,981.1	1,533,069	47	705.19	-	-	-	-	-	-	-	-	-	-	-	-	
06/16/05	88,340.0	1,533,428	51	705.23	-	-	-	-	-	-	-	-	-	-	-	-	
06/16/05	0.0	1,533,428	-	705.23	Changed battery for flow meter (reset to 0.0 gallons)						-	-	-	-	-	-	-
06/23/05	2,914.2	1,536,342	416	705.49	-	-	-	-	-	-	-	-	-	-	-	-	
06/28/05	4,751.3	1,538,179	367	705.68	-	-	-	-	-	-	-	-	-	-	-	-	
07/07/05	7,125.7	1,540,554	264	705.84	<2.9	<0.17	<0.22	<0.14	<0.36	-	7,530	301	71 J	132	800	2,580	
07/12/05	8,534.3	1,541,962	282	705.93	-	-	-	-	-	-	-	-	-	-	-	-	
07/19/05	9,145.3	1,542,573	87	705.97	System was turned off for QWS and carbon change						-	-	-	-	-	-	-
07/26/05	10,570.5	1,543,999	204	706.06	-	-	-	-	-	-	-	-	-	-	-	-	
08/03/05	10,572.1	1,544,000	0	706.06	Restarted system						-	-	-	-	-	-	-
08/09/05	10,827.1	1,544,255	43	706.07	-	-	-	-	-	-	-	-	-	-	-	-	
08/19/05	11,219.6	1,544,648	39	706.10	-	<0.10	<0.15	<0.08	<0.40	-	Split-sample results during EBMUD inspection & sampling						

**TABLE 2**  
**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	
08/23/05	11,311.2	1,544,739	23	706.10	-	-	-	-	-	-	-	-	-	-	-	-	
09/07/05	11,713.1	1,545,141	27	706.13	-	-	-	-	-	-	-	-	-	-	-	-	
09/13/05	11,816.3	1,545,244	17	706.13	-	-	-	-	-	-	-	-	-	-	-	-	
09/20/05	11,930.2	1,545,358	16	706.14	-	-	-	-	-	-	-	-	-	-	-	-	
09/26/05	12,241.6	1,545,670	52	706.16	-	-	-	-	-	-	-	-	-	-	-	-	
10/04/05	12,314.2	1,545,742	9	706.17	<2.9	<0.17	<0.22	<0.14	<0.38	-	4,250	129	113	3.9 J	237	2,120	
10/11/05	12,578.6	1,546,007	38	706.18	-	-	-	-	-	-	-	-	-	-	-	-	
10/17/05	12,781.3	1,546,209	34	706.19	System was tuned off for QWS						-	-	-	-	-	-	-
10/21/05	12,796.1	1,546,224	4	706.20	Restarted system						-	-	-	-	-	-	-
11/01/05	13,383.2	1,546,811	53	706.23	-	-	-	-	-	-	-	-	-	-	-	-	
11/08/05	13,399.2	1,546,827	2	706.23	-	<0.10	<0.15	<0.06	<0.40	-	-	-	-	-	-	-	
11/16/05	13,807.4	1,547,235	51	706.26	-	-	-	-	-	-	-	-	-	-	-	-	
11/23/05	0.0	1,547,235	-	706.26	-	-	-	-	-	-	Meter Reset to "0"						
11/29/05	717.2	1,547,952	120	706.30	-	-	-	-	-	-	-	-	-	-	-	-	
12/07/05	1,038.1	1,548,273	40	706.32	-	-	-	-	-	-	-	-	-	-	-	-	
12/14/05	1,669.4	1,548,904	90	706.36	-	-	-	-	-	-	-	-	-	-	-	-	

<b>WD PERMIT LIMITS:</b>	<b>NE</b>	<b>5.0</b>	<b>5.0</b>	<b>5.0</b>	<b>5.0</b>	<b>NE</b>
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**Note:** < = less than laboratory detection level indicated  
 - = no sample / not analyzed  
 NE = Permit Limit not established

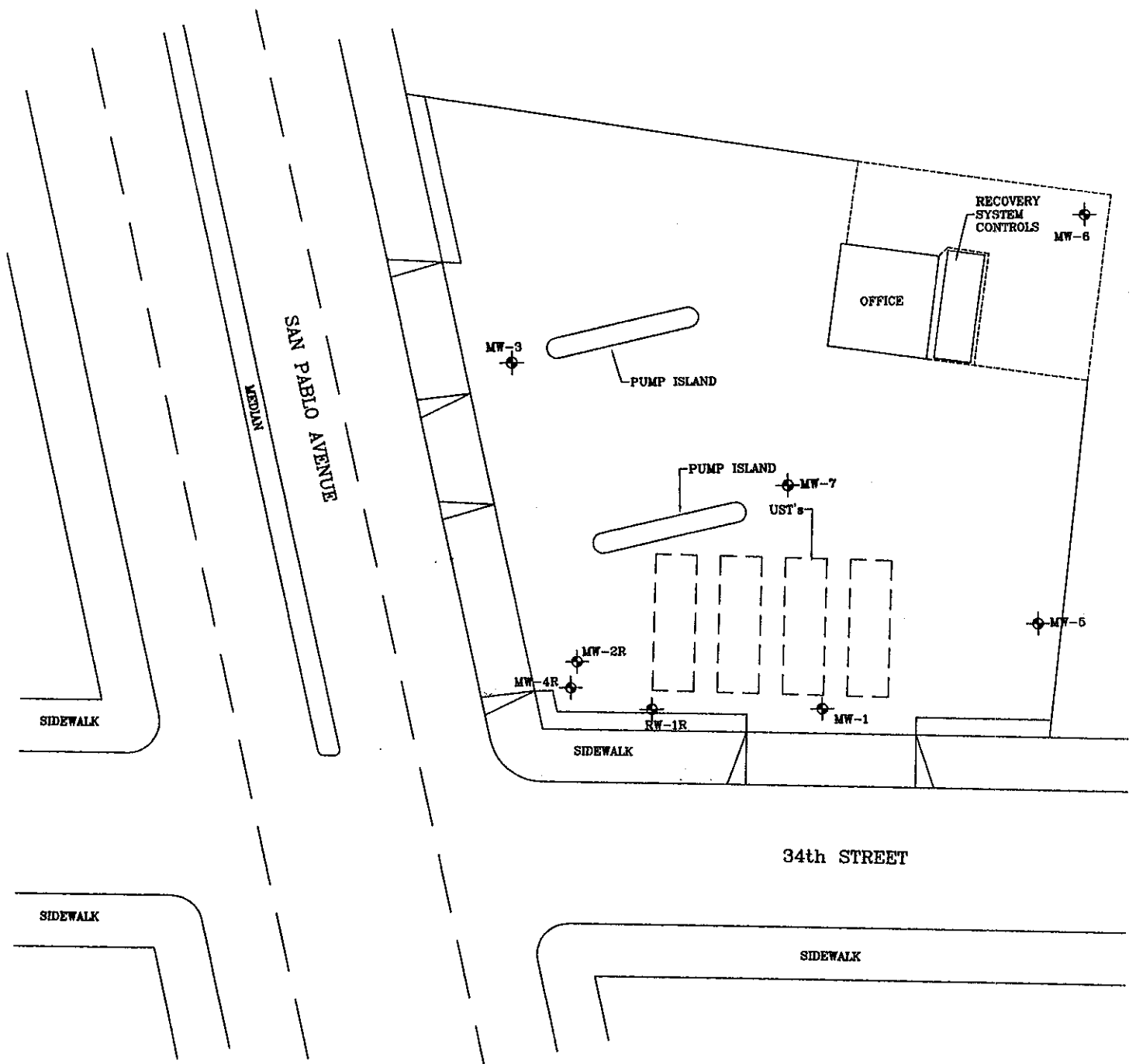
TPH is analyzed by EPA Method 8015 M  
 BTEX is analyzed by EPA Method 602/8020 or 8021  
 \*MTBE 8021/8260

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




In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system. The total number may be different from previous versions of this table.

# ***FIGURES***





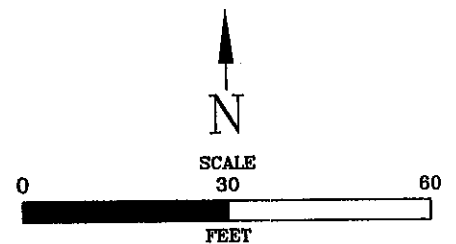
**LEGEND**

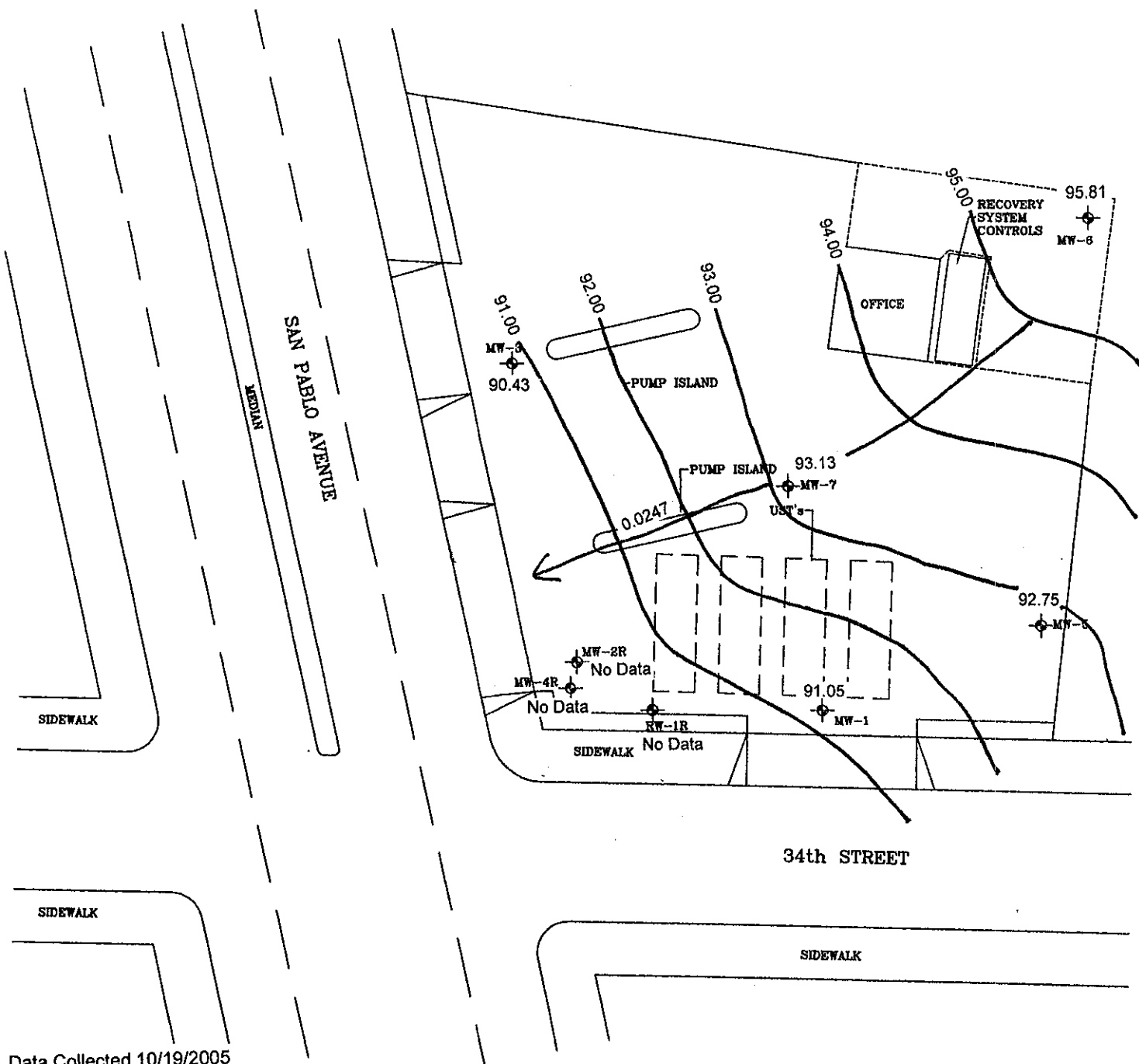
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION
- SB-1  SOIL BORING LOCATION

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

FIGURE:




1





Data Collected 10/19/2005  
Datum is Mean Sea Level

**LEGEND**

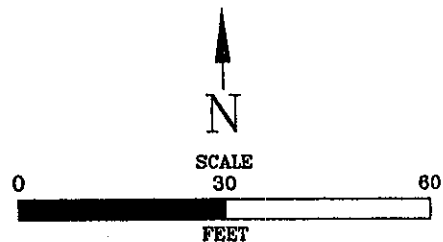
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION
- SB-1  SOIL BORING LOCATION

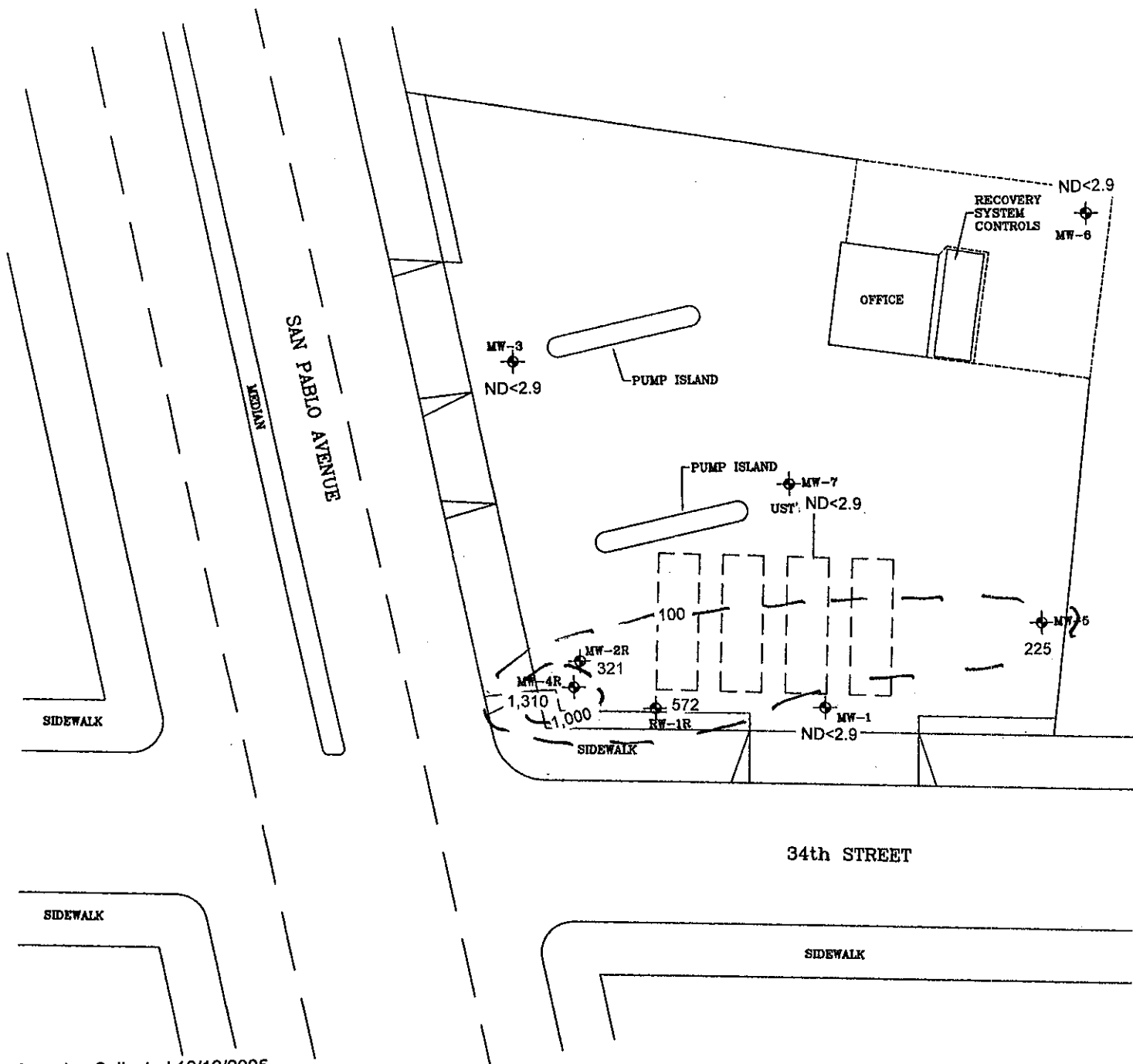
**GROUNDWATER CONTOURS**

THRIFTY OIL #049  
3400 SAN PABLO AVE.  
OAKLAND, CALIFORNIA

FIGURE:

2





Samples Collected 10/19/2005  
 Results in ug/L

**LEGEND**

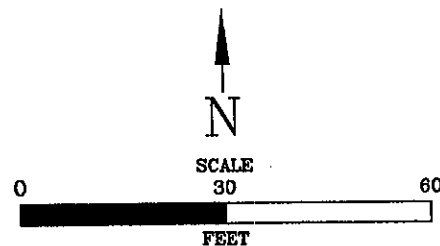
- MW-4R RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION

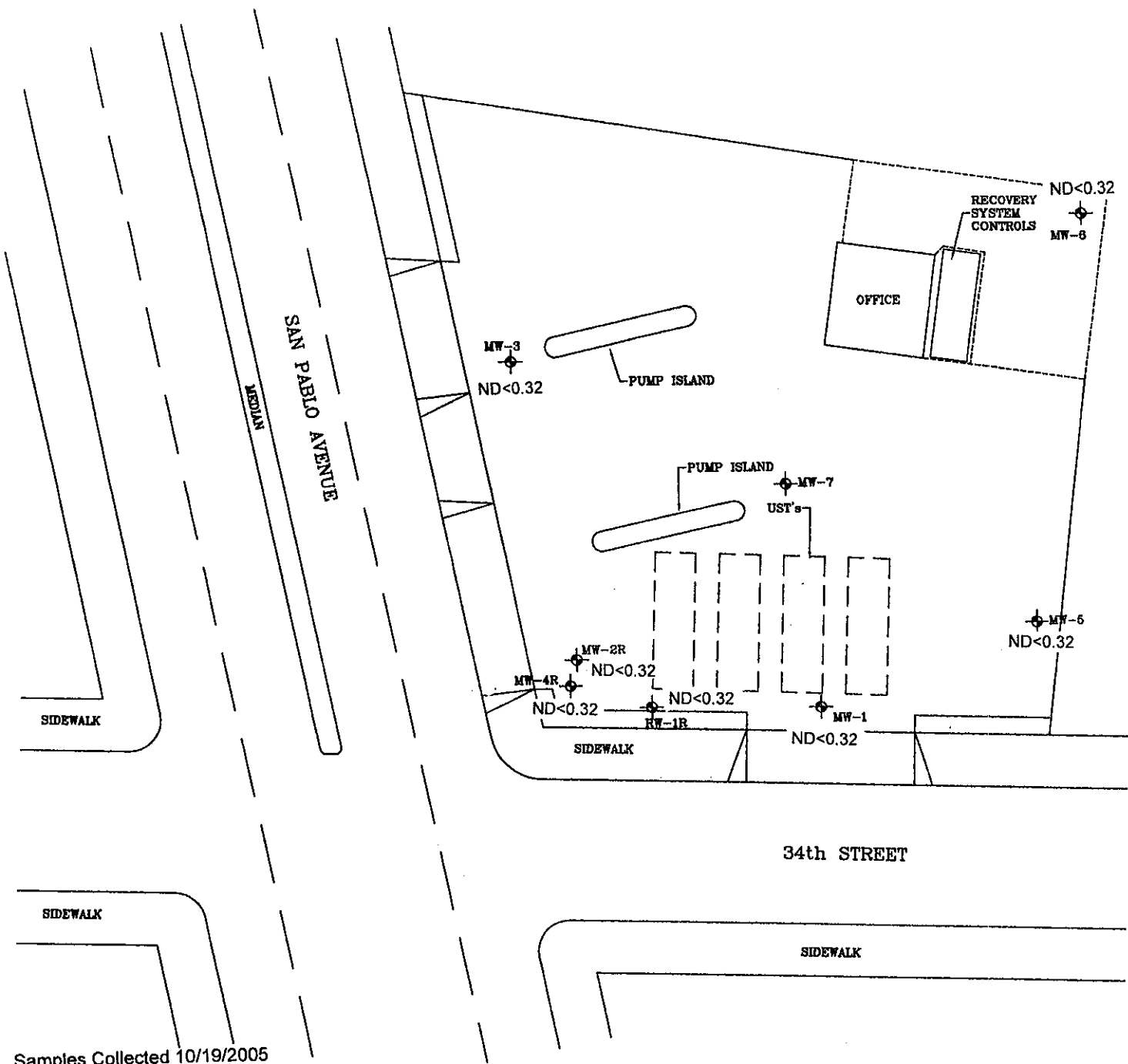
**TPHg in GROUNDWATER**

THRIFTY OIL #049  
 3400 SAN PABLO AVE  
 SAN FRANCISCO, CALIFORNIA

FIGURE:

3





Samples Collected 10/19/2005  
 Results in ug/L

**LEGEND**

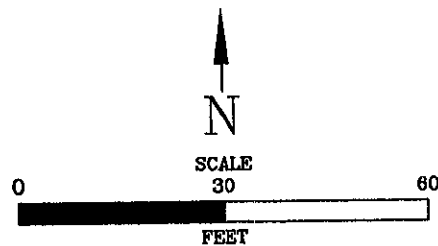
- MW-4R RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION

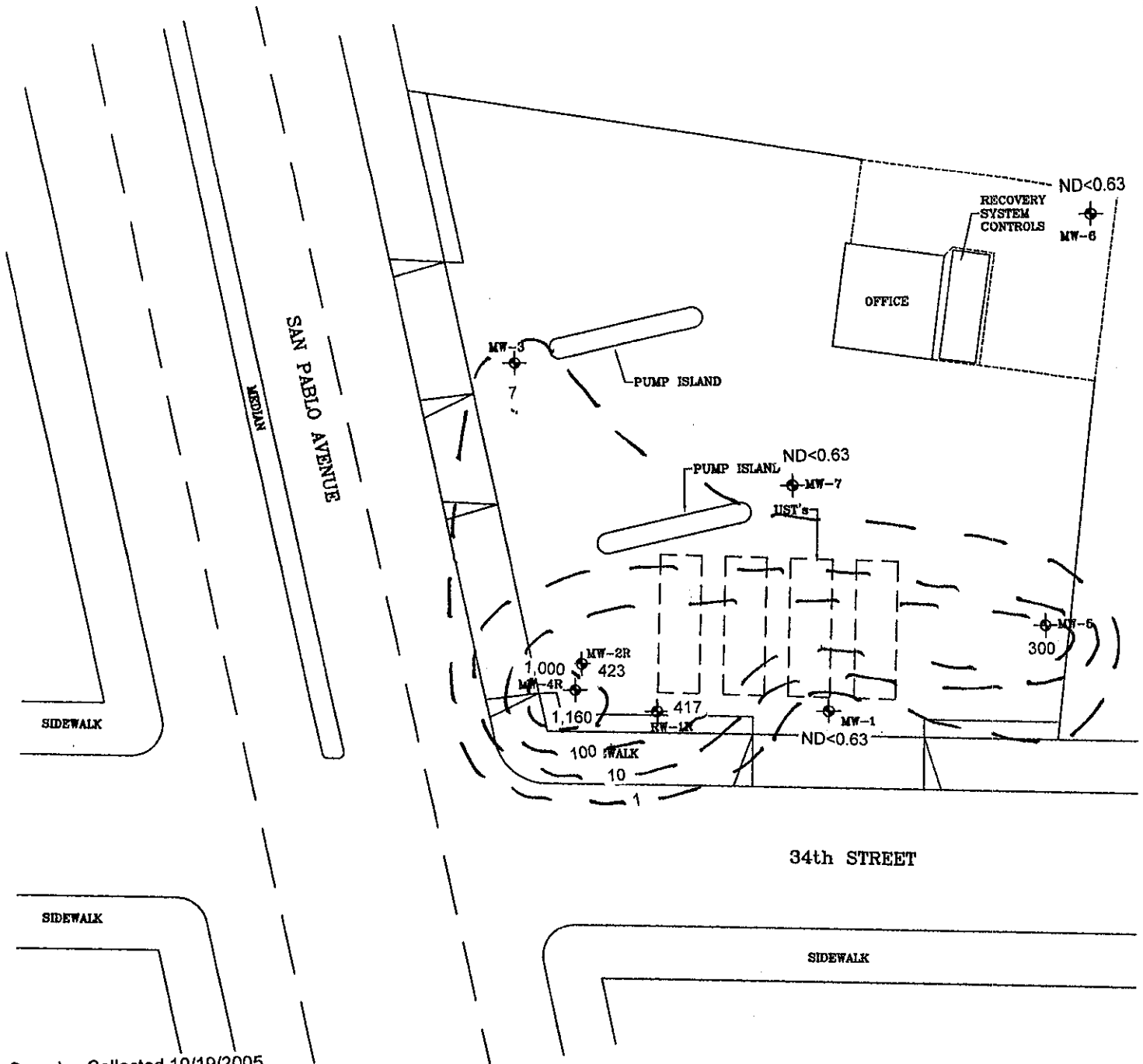
**Benzene in GROUNDWATER**

THRIFTY OIL #049  
 3400 SAN PABLO AVE

FIGURE:

4





Samples Collected 10/19/2005  
 Results in ug/L

**LEGEND**

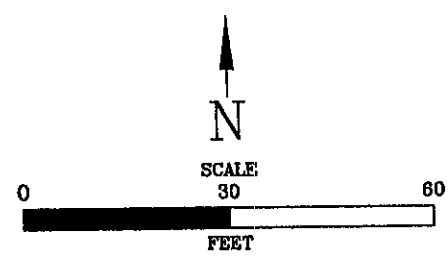
- MW-4R RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION

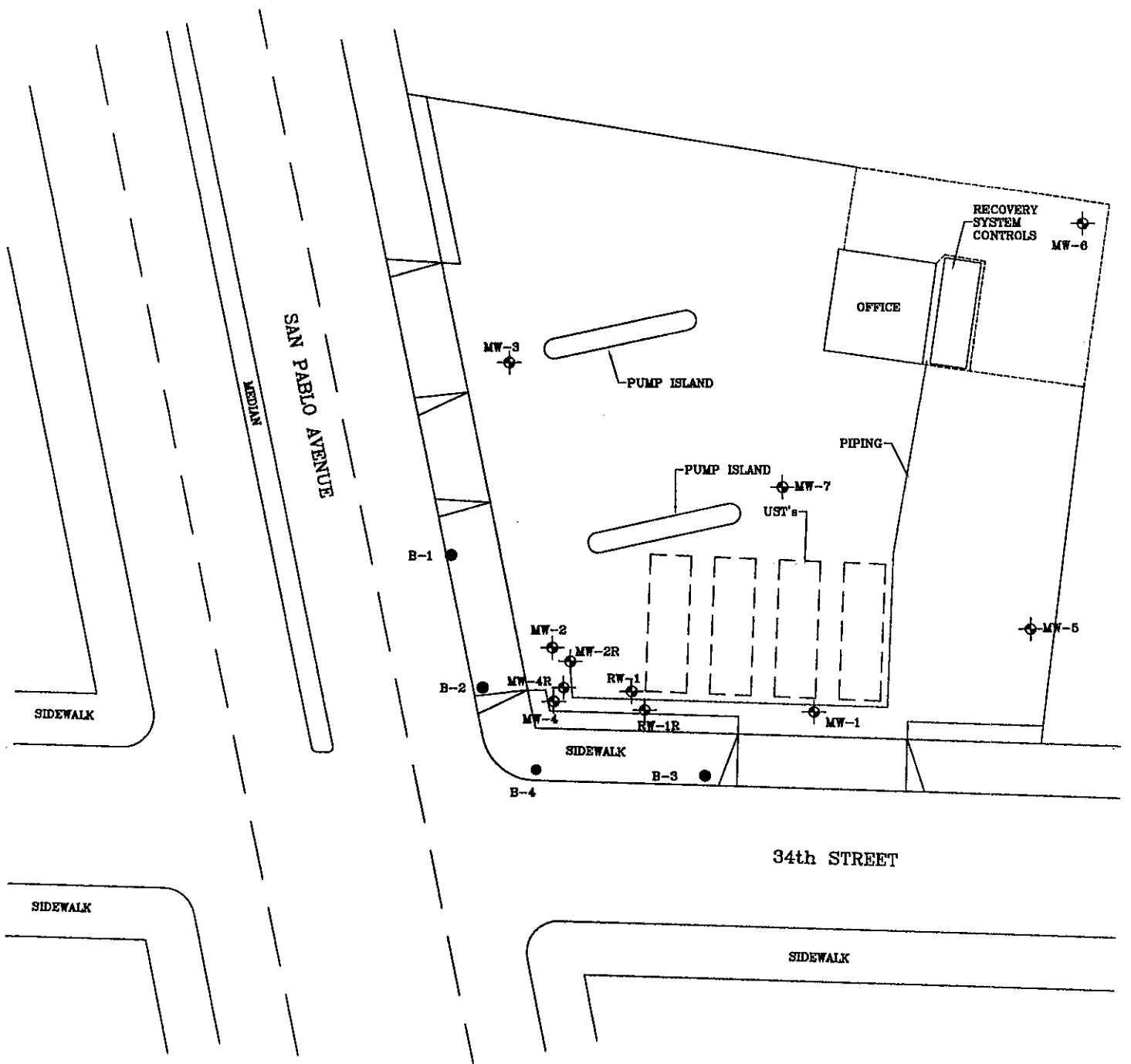
**MTBE in GROUNDWATER**

THRIFTY OIL #049  
 3400 SAN PABLO AVE





FIGURE:

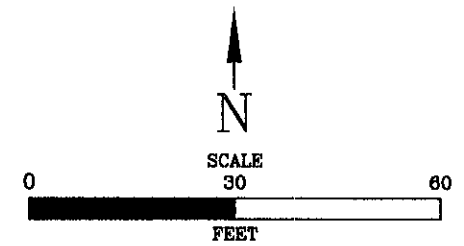
5





**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



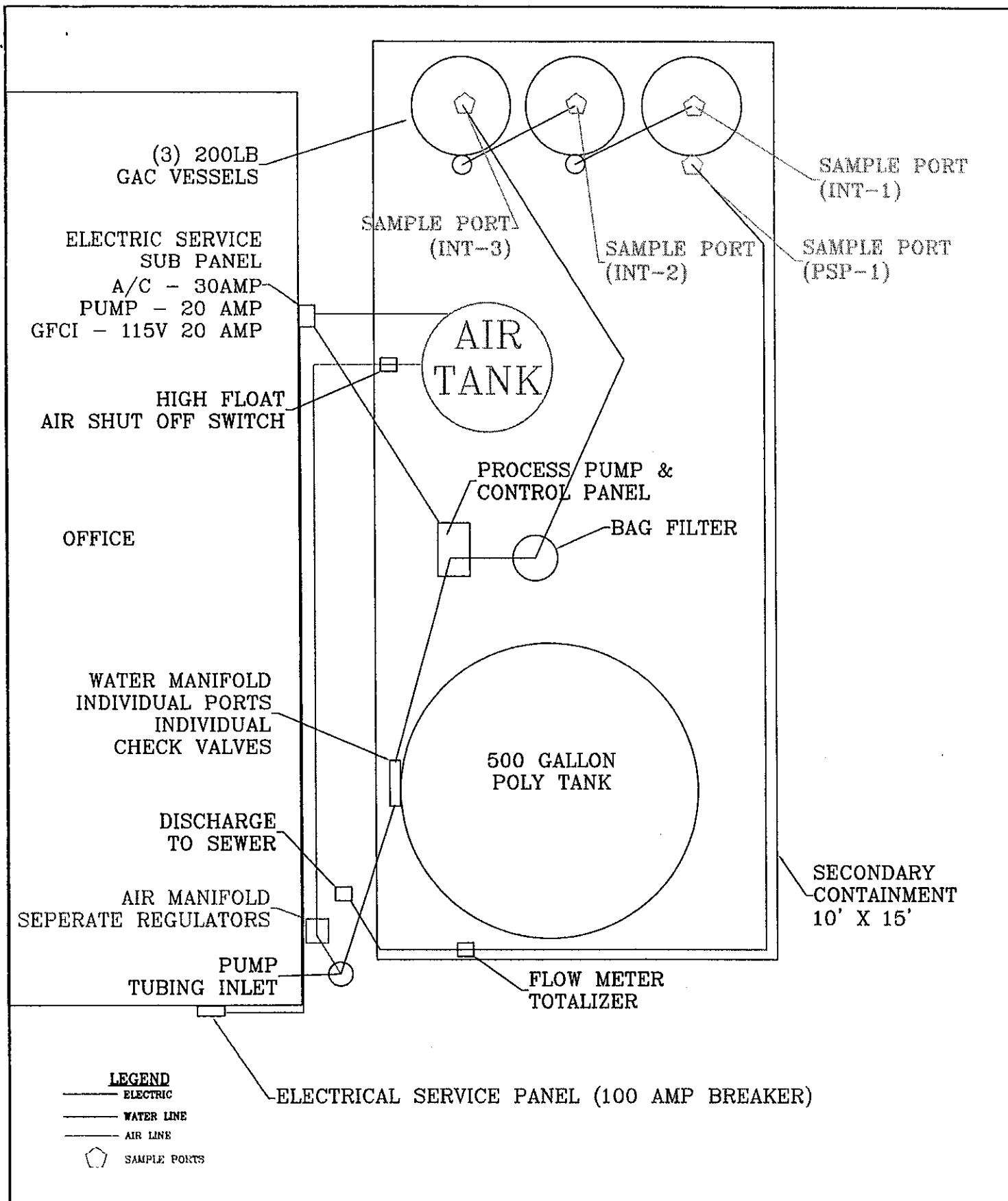
**REMEDIATION SYSTEM LAYOUT**

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: 28 MAY 2004	DRAWN BY: MAC	7

# ***APPENDIX A***





FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	#049	Date:	10-19-05
Address:			
Personnel:	SERBACH	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAUER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	13.06	Well Diameter	2"
Depth to Water (ft)	3.86	Est. Purge Volume:	6

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	8:48	8:51	8:54	8:57	9:00		
EC	1320	1340	1360	1340	1340		
pH	6.11	6.21	6.18	6.17	6.11		
Temp	71.4	71.3	71.6	71.4	71.3		
Gal.	1	2	3	4	6		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	8.11	Total Well Depth(ft.)	13.06

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	<u>2049</u>	Date:	<u>10-19-05</u>
Address:			
Personnel:	<u>SERBATA</u>	Weather:	<u>SUNNY DAY</u>
Well No:	<u>MW-5</u>	Equip:	<u>BAUER</u>

<b>Before Purging:</b>			
Total Well Depth: (ft.)	<u>13.77</u>	Well Diameter	<u>24</u>
Depth to Water (ft)	<u>6.10</u>	Est. Purge Volume:	<u>5</u>

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	<u>10:12</u>	<u>10:14</u>	<u>10:16</u>	<u>10:18</u>	<u>10:20</u>		
EC	<u>1610</u>	<u>1590</u>	<u>1570</u>	<u>1570</u>	<u>1590</u>		
pH	<u>6.01</u>	<u>5.93</u>	<u>5.91</u>	<u>5.97</u>	<u>5.13</u>		
Temp	<u>71.3</u>	<u>71.4</u>	<u>71.6</u>	<u>71.6</u>	<u>71.4</u>		
Gal.	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	<u>11.04</u>	Total Well Depth(ft).	<u>13.77</u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	<u>H 049</u>	Date:	<u>10-19-05</u>
Address:			
Personnel:	<u>JERBAH</u>	Weather:	<u>SUNNY DAY</u>
Well No:	<u>MW-4R</u>	Equip:	<u>BATUER</u>

<b>Before Purging:</b>			
Total Well Depth: (ft.)	<u>19.63</u>	Well Diameter	<u>4"</u>
Depth to Water (ft)	<u>5.08</u>	Est. Purge Volume:	<u>38</u>

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	<u>11:54</u>	<u>12:03</u>	<u>12:12</u>	<u>12:21</u>	<u>12:30</u>		
EC	<u>1620</u>	<u>1630</u>	<u>1620</u>	<u>1610</u>	<u>1610</u>		
pH	<u>6.11</u>	<u>6.21</u>	<u>6.18</u>	<u>6.19</u>	<u>6.21</u>		
Temp	<u>71.1</u>	<u>71.4</u>	<u>71.5</u>	<u>71.4</u>	<u>71.6</u>		
Gal.	<u>7</u>	<u>15</u>	<u>22</u>	<u>30</u>	<u>38</u>		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	<u>9.16</u>	Total Well Depth(ft).	<u>19.63</u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 044	Date:	10-19-05
Address:			
Personnel:	SERBATA	Weather:	SUNNY DAY
Well No:	MW-3	Equip:	BAILER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	24.13	Well Diameter	24
Depth to Water (ft)	7.26	Est. Purge Volume:	11

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	9:58	10:01	10:04	10:07	10:10		
EC	1710	1690	1670	1650	1650		
pH	6.21	6.11	6.06	6.03	6.01		
Temp	21.2	21.4	21.5	21.7	21.6		
Gal.	2	4	6	8	11		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	12.11	Total Well Depth(ft.)	24.13

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	<u>rd 049</u>	Date:	<u>10-19-05</u>
Address:			
Personnel:	<u>SERBAH</u>	Weather:	<u>SUNNY DAY</u>
Well No:	<u>MW-2R</u>	Equip:	<u>BAUER</u>

<b>Before Purging:</b>			
Total Well Depth: (ft.)	<u>16.76</u>	Well Diameter	<u>4"</u>
Depth to Water (ft)	<u>5.28</u>	Est. Purge Volume:	<u>30</u>

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	<u>10:32</u>	<u>10:39</u>	<u>10:46</u>	<u>10:53</u>	<u>11:00</u>		
EC	<u>1470</u>	<u>1460</u>	<u>1470</u>	<u>1480</u>	<u>1470</u>		
pH	<u>6.21</u>	<u>6.19</u>	<u>6.21</u>	<u>6.21</u>	<u>6.21</u>		
Temp	<u>71.4</u>	<u>71.2</u>	<u>71.5</u>	<u>71.6</u>	<u>71.7</u>		
Gal.	<u>6</u>	<u>12</u>	<u>18</u>	<u>24</u>	<u>30</u>		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	<u>8.16</u>	Total Well Depth(ft.)	<u>16.76</u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	H 049	Date:	10-14-05
Address:			
Personnel:	SERBAH	Weather:	SUNNY DAY
Well No:	MW-1	Equip:	BAILER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	17.72	Well Diameter	2"
Depth to Water (ft)	6.98	Est. Purge Volume:	7

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	9:03	9:06	9:09	9:12	9:15		
EC	1270	1310	1340	1320	1320		
pH	5.97	5.93	5.82	5.87	5.91		
Temp	71.3	71.4	71.5	71.7	71.6		
Gal.	1	2	4	5	7		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	11.04	Total Well Depth(ft).	17.72

## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-19-05
Address:			
Personnel:	SERBAH	Weather:	SUNNY DAY
Well No:	RW-1R	Equip:	BAUER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	19.08	Well Diameter	4 1/4
Depth to Water (ft)	5.68	Est. Purge Volume:	35

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	11:14	11:23	11:32	11:41	11:50		
EC	1510	1490	1480	1490	1490		
pH	6.04	6.14	6.21	6.14	6.20		
Temp	71.4	71.3	71.5	71.4	71.6		
Gal.	7	14	21	28	35		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	9.08	Total Well Depth(ft.)	19.08



## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	10-14-05
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-7	Equip:	BAUER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	13.54	Well Diameter	4"
Depth to Water (ft)	5.89	Est. Purge Volume:	20

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	9:26	9:32	9:38	9:44	9:50		
EC	1570	1560	1540	1540	1540		
pH	6.03	6.11	6.17	6.11	6.11		
Temp	71.4	71.2	71.1	71.3	71.5		
Gal.	4	8	12	16	20		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	8.12	Total Well Depth(ft).	13.54

## ***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 158746

REPORTED 10/31/2005

RECEIVED 10/20/2005

PROJECT Station #049  
3400 San Pablo Ave., Oakland

SUBMITTER Client

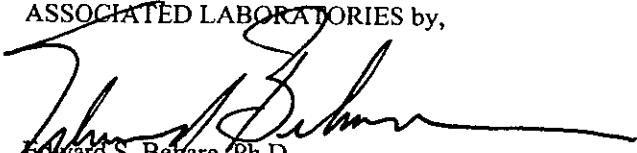
COMMENTS Global ID #T0600101365

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>
660116	TOC #049 MW-6
660117	TOC #049 MW-1
660118	TOC #049 MW-7
660119	TOC #049 MW-3
660120	TOC #049 MW-5
660121	TOC #049 MW-2R
660122	TOC #049 RW-1R
660123	TOC #049 MW-4R
660124	TOC #049 Trip Blank
660125	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 #: 660116

Client Sample ID: TOC #049 MW-6

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 12:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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**8015M Ethanol / Methanol by GC-FID**

Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN

**8260B BTEX/MTBE Only**

Benzene	ND	1	1	0.32	ug/L	10/26/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/26/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/26/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/26/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	10/26/05 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/26/05 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/26/05 LB
Toluene	ND	1	5	0.10	ug/L	10/26/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/26/05 LB

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	95			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130
Surr3 - Toluene-d8	99			%	70 - 130
Surr4 - p-Bromofluorobenzene	90			%	70 - 130

**8015B - Gasoline**

Gasoline	ND	1	50	2.9	ug/L	10/22/05 HY
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**Surrogates**

				Units	Control Limits
a,a,a-Trifluorotoluene	76			%	55 - 200

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



Order #: 660117

Client Sample ID: TOC #049 MW-1

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 12:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/26/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/26/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/26/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/26/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	10/26/05 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/26/05 LB
Tertiary butyl alcohol (TBA)	12	1	10	10	ug/L	10/26/05 LB
Toluene	1.1 J	1	5	0.10	ug/L	10/26/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/26/05 LB
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	96				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105				%	70 - 130
Surr3 - Toluene-d8	96				%	70 - 130
Surr4 - p-Bromofluorobenzene	94				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	77				%	55 - 200

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



Order #: 660118

Client Sample ID: TOC #049 MW-7

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 12:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	93			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130	
Surr3 - Toluene-d8	97			%	70 - 130	
Surr4 - p-Bromofluorobenzene	94			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	73			%	55 - 200	

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



Order #: 660119

Client Sample ID: TOC #049 MW-3

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 12:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	1.0	1	1	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	96			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	93			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	78			%	55 - 200	

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



Order #: 660120

Client Sample ID: TOC #049 MW-5

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/50 QN
Methanol	ND	1	50	20	mg/L	10/24/50 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	300	1	1	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	1.4	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	95				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 130
Surr3 - Toluene-d8	97				%	70 - 130
Surr4 - p-Bromofluorobenzene	94				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	225	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	108				%	55 - 200

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





Order #: 660121

Client Sample ID: TOC #049 MW-2R

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	423	1	1	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	13	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	33	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	93			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130	
Surr3 - Toluene-d8	96			%	70 - 130	
Surr4 - p-Bromofluorobenzene	94			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	321	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	115			%	55 - 200	

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



Order #: 660122

Client Sample ID TOC #049 RW-1R

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 14:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	417	1	1	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	9.6	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	65	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	92				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	95				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	572	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
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 #: 660123

Client Sample ID: TOC #049 MW-4R

Matrix: WATER

Date Sampled: 10/19/2005 Time Sampled: 14:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/27/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/27/05 LB
Methyl-tert-butylether (MTBE)	1160	10	10.0	0.63	ug/L	10/27/05 LB
Tert-amylmethylether (TAME)	39	1	1	0.28	ug/L	10/27/05 LB
Tertiary butyl alcohol (TBA)	335	1	10	10	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	93				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	93				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	1310	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	115				%	55 - 200

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



Order #: 660124

Client Sample ID TOC #049 Trip Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/27/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/27/05 LB
Toluene	ND	1	5	0.10	ug/L	10/27/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/27/05 LB
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	91				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 130
Surr3 - Toluene-d8	94				%	70 - 130
Surr4 - p-Bromofluorobenzene	96				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	2.9	ug/L	10/22/05 HY
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	76				%	55 - 200

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



Order #: 660125

Client Sample ID Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	10/24/05 QN
Methanol	ND	1	50	20	mg/L	10/24/05 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	10/26/05 LB
Ethyl benzene	ND	1	5	0.24	ug/L	10/26/05 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	10/26/05 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	10/26/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	10/26/05 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	10/26/05 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/26/05 LB
Toluene	ND	1	5	0.10	ug/L	10/26/05 LB
Xylenes, total	ND	1	5	0.3	ug/L	10/26/05 LB
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	91			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 130	
Surr3 - Toluene-d8	96			%	70 - 130	
Surr4 - p-Bromofluorobenzene	100			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	2.9	ug/L	10/21/05 HY
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	78			%	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: October 21, 2005  
 Analysis Date: October 21-23, 2005  
 ID#'s in Batch: LR 158796, 158742, 158708, 158736, 158807, 158643, 158746

**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	535	567	107	113	6

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	75
LCS	145
LCSD	137

AAA-TFT = *a,a,a*-Trifluorotoluene

ASSOCIATED LABORATORIES  
LCS REPORT FORM

QC Sample: LCS / LCSD  
 Matrix: WATER  
 Prep. Date: 10/24/05  
 Analysis Date: 10/24/05  
 ID#'s in Batch: LR 158642; LR 158746

**LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULT**

Reporting Units = mg/L

Test	Method	Blank Result	Spike Added	LCS Spike	LCSD Spike Dup	%Rec LCS	%Rec LCSD	% RPD
Methanol	D285	ND	100	101.9	101.9	102	102	0
Ethanol	D285	ND	100	108.3	107.9	108	108	0

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate  
 %REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

% REC LIMITS = 70 - 130 RPD LIMITS = 25
--

**Method Blank - All ND**

Associated Laboratories

QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 3

Sample ID: MS/MSD-water sample 158863-633  
 Date Analyzed: October 28, 2005 2:12am  
 Sample Matrix: water  
 Units: µg/L

Applies to LR: 158864, 158746, 158863

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	58.40	57.12	117	114	2	22	59 - 172
MTBE	0.00	50.0	47.26	46.40	95	93	2	24	62 - 137
Benzene	0.00	50.0	43.48	44.12	87	88	1	24	62 - 137
Trichloroethene	0.00	50.0	52.91	52.79	106	106	0	21	66 - 142
Toluene	0.00	50.0	52.31	51.58	105	103	1	21	59 - 139
Chlorobenzene	0.00	50.0	46.82	47.33	94	95	1	21	60 - 133

Sample ID: LCS - water  
 Date Analyzed: October 27, 2005 12:24pm  
 Sample Matrix: water  
 Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res		Spike % Rec			QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.29		101			22	59 - 172
MTBE	0.00	50.0	41.03		82			24	62 - 137
Benzene	0.00	50.0	44.42		89			24	62 - 137
Trichloroethene	0.00	50.0	49.67		99			21	66 - 142
Toluene	0.00	50.0	49.64		99			21	59 - 139
Chlorobenzene	0.00	50.0	44.36		89			21	60 - 133

Surrogate Recovery GCMS # 3

Compound	MB1	MB2		MS	MSD	LCS			Limits % Rec
Dibromofluoromethane	86	96		99	93	83			70-135
1,2-Dichloroethane-d4	99	106		101	100	95			70-135
Toluene-d8	104	101		104	104	98			70-135
p-Bromofluorobenzene	99	94		101	102	111			70-135



Associated Laboratories

QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 3

Sample ID: MS/MSD-water sample 158746-116  
 Date Analyzed: October 26, 2005 10:23pm  
 Sample Matrix: water  
 Units: µg/L

Applies to LR: 158371, 158904, 158905, 158642, 158746

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	54.40	57.90	109	116	6	22	59 - 172
MTBE	0.00	50.0	47.00	45.30	94	91	4	24	62 - 137
Benzene	0.00	50.0	46.18	47.41	92	95	3	24	62 - 137
Trichloroethene	0.00	50.0	52.12	57.82	104	116	10	21	66 - 142
Toluene	0.00	50.0	53.44	54.02	107	108	1	21	59 - 139
Chlorobenzene	0.00	50.0	47.38	49.62	95	99	5	21	60 - 133

Sample ID: LCS - water  
 Date Analyzed: October 26, 2005 3:05pm  
 Sample Matrix: water  
 Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res		Spike % Rec			QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	54.59		109			22	59 - 172
MTBE	0.00	50.0	43.25		86			24	62 - 137
Benzene	0.00	50.0	43.92		88			24	62 - 137
Trichloroethene	0.00	50.0	51.57		103			21	66 - 142
Toluene	0.00	50.0	51.08		102			21	59 - 139
Chlorobenzene	0.00	50.0	46.29		93			21	60 - 133

Surrogate Recovery GCMS # 3

Compound	MB1	MB2		MS	MSD	LCS			Limits % Rec
Dibromofluoromethane	91	97		99	91	85			70-135
1,2-Dichloroethane-d4	100	108		101	92	94			70-135
Toluene-d8	96	96		106	103	103			70-135
p-Bromofluorobenzene	100	93		108	107	106			70-135

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: LCS/LCSD  
 Matrix: WATER  
 Prep. Date: October 21, 2005  
 Analysis Date: October 21-22, 2005  
 ID#'s in Batch: LR 158668, 158253, 158746

**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	515	470	103	94	9

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	98
LCS	176
LCSD	181

AAA-TFT = a,a,a-Trifluorotoluene



**ASSOCIATED LABORATORIES**

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

FAX 714-538-1209

**SAMPLE ACCEPTANCE CHECKLIST**

**Section 1**  
 Client: T.O.C. Project: Q.L.S.  
 Date Received: 10/20/05  
 Sample(s) received in cooler: (Yes) No (Skip Section 2)

**Section 2**  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler or box temperature: 32°C  
 (Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Yes - were they intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No head space in VOA vials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were the correct preservatives used?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the samples scanned for presence of radioactivity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Section 4**  
 Explanations/Comments

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**Section 5**  
 Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [Signature] Date: 10/20/05

# Chain of Custody Record



Company: THRIFTY OIL CO. Phone: (562) 921-3581 A.L. Job No. 158746 Page 1 of 1  
 Project Manager: JEFF SURYAKOSUMA Fax: (562) 921-7510  
 Project Name: Q. W. S. Project #: 049  
 Site Name and Address: 3400 SAN PABLO AVE.  
OAKLAND, CA. 94612

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested			Test Instructions & Comments
							TPH4 (8015M)	BTEX (8260B)	OXYGENATES	
1 MW-6		10.19.05	12:35	H <sub>2</sub> O	3-VOA	HCL	X	X	X	ID#T0600101365  ANALYSIS REQUIRED FOR COMPOUNDS USE IN CA. GASOLINE BY EPA METHOD 8260B  1-METHANOL 2-ETHANOL 3-TERTIARY BUTANOL 4-MTBE 5-DIPE 6-ETBE 7-TAME
2 MW-1			12:40				X	X	X	
3 MW-7			12:45				X	X	X	
4 MW-3			12:50				X	X	X	
5 MW-5			13:00				X	X	X	
6 MW-2R			13:10				X	X	X	
7 RW-1R			14:00				X	X	X	
8 MW-4R			14:35				X	X	X	
9 TRIP BLANK			00:00		2-VOA		X	X		
10										
11										
12										
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory				Relinquished by <u>E.M.C.</u> 1.		Relinquished by <u>G.S.O.</u> 2.		Relinquished by 3.	
Total Number of Containers	<u>26</u>	Property Cooled Y/N/NA		Signature:	<u>[Signature]</u>	Signature:		Signature:	
Custody Seals Y/N/NA		Samples Intact Y/N/NA		Printed Name:	<u>SPERRAN P.</u>	Printed Name:		Printed Name:	
Received in Good Condition Y/N	<u>Y</u>	Samples Accepted Y/N	<u>Y</u>	Date:	<u>10.19.05</u>	Time:	<u>17:00</u>	Date:	
Turn Around Time				Received By: <u>G.S.O.</u> 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:	<u>[Signature]</u>	Signature:		Signature:	
				Printed Name:	<u>JEFF SURYAKOSUMA</u>	Printed Name:		Printed Name:	
				Date:	<u>10/20/05</u>	Time:	<u>13:40</u>	Date:	

2/020 or 4/20

# ***APPENDIX C***

049

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P -

DATE OF INSPECTION: 12-14-05

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL BELT, CHECK TRANSFER PUMP, CLEAN FILTER INSIDE PRESSURE/REGULATOR (ALL 3) PICKUP ALGAE FROM HOLDING TANK, CLEAN INSIDE COMPOUND,

FLOW METER READING: 1669.4

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.2

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

INSPECTOR'S SIGNATURE: [Signature]

049

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P -

DATE OF INSPECTION: 12-07-05

OBSERVATIONS AND COMMENTS: CHANGE OIL, CHECK BELT, DRAIN COMPRESSOR  
TANK, CHECK PRESSURE/REGULATOR FOR FINE  
PUMP, CLEAN INJECT COMPOUND,

FLOW METER READING: 1038.1

SAMPLES OBTAINED: HLA

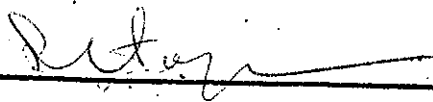
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.1

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

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN D -

DATE OF INSPECTION: 11-29-05

OBSERVATIONS AND  
COMMENTS: CHECK OIL, DRAIN COMPRESSOR TANK,  
CHECK HOSES AND PIPE FOR LEAK, CLEAN INSIDE  
COMPOUND, ADJUST PRESSURE/REGULATOR FOR ALL PUMPS.

FLOW METER READING: 717.2

SAMPLES OBTAINED: N/A

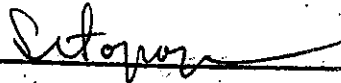
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10.

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.2

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

INSPECTOR'S SIGNATURE: 



THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERRAN D.

DATE OF INSPECTION: 11-23-05

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK BELT,  
OIL, CHANGE UNDER FILTER BAG, REPLACE BATTERY  
FOR FLOW METER

FLOW METER READING: BEGIN FROM 0, MEMORY LOOSE #

SAMPLES OBTAINED: X/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10.

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.2

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

INSPECTOR'S SIGNATURE: Serran D.

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P -

DATE OF INSPECTION: 11-16-05

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, PICKUP  
ALGAE FROM HOLDING TANK, CHECK OIL, BELT,  
CHECK HOSES AND DRUMS FOR LEAKS, CHECK  
INSIDE COMPOUND,

FLOW METER READING: 13807.4

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10.

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.2

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

INSPECTOR'S SIGNATURE: [Signature]

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBATH P -

DATE OF INSPECTION: 11-08-05

OBSERVATIONS AND  
COMMENTS: DRAIN COMPRESSOR TANK, DRAIN WATER  
FROM COMPOUND FLOOR IN HOLDING TANK, CHECK  
BELT, CHECK FOR LEAK DRUMS AND HOSES,  
AUTOMATIC DRAIN WAS FULL WITH WATER FROM  
RAIN AND NEED REPLACE BECAUSE HAS SHORT  
INSIDE

FLOW METER READING: 13399.2

SAMPLES OBTAINED: SPLIT WATER SAMPLE FROM OUTLET

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10.

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.3

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

INSPECTOR'S SIGNATURE: 

ch9

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 11-02-05

OBSERVATIONS AND COMMENTS: CHECK BELT, HOSES AND PIPES FOR LEAKS, CHECK PUMP IN MW-2R AND RW-1R, REPLACE WATER FILTER BAG,

FLOW METER READING: 13383.2

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.2

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

INSPECTOR'S SIGNATURE: [Signature]



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE: #1049  
 ADDR: 3400 SAN PABLO  
OAKLAND, 94612  
 DATE: 10-21-05  
 PERSON: SERBAN

Remediation System Type:  AS  SVE  DPE  GWT  FPR  Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment	✓			12796.1	
FPR	FP Recovery					
O	Other:					

UTILITIES:  
 Electrical Meter: N/A  
 Nat. gas Meter: N/A  
 Propane Tank Level: N/A

OTHER NOTES: RESTART SYSTEM AFTER Q.W.S.

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**ALWAYS OBSERVE SAFETY PROCEDURES!**

049

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 10-21-05

OBSERVATIONS AND COMMENTS: RESTART SYSTEM AFTER Q.W.S.  
CHECK BELT, OIL, HOSES, ADJUST PRESSURE  
REGULATOR FOR EACH WELLS,

FLOW METER READING: 12796.1

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.1

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

INSPECTOR'S SIGNATURE: Serban P



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC # 049  
 ADDR: 3400 SAN PABLO AVE  
OAKLAND 94612  
 DATE: 10-17-05  
 PERSON: SERBAN

Remediation System Type:  AS  SVE  DPE  GWT  FPR  Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		12781.3	
FPR	FP Recovery					
O	Other:					

**UTILITIES:**

Electrical Meter: N/A  
 Nat. gas Meter: N/A  
 Propane Tank Level: N/A

**OTHER NOTES:**

SHUT DOWN FOR QWS -

**ALWAYS OBSERVE SAFETY PROCEDURES!**





049

**MAINTENANCE & REPAIR REPORT**

A) SS #: 049 SYSTEM TYPE:  
B) DEFICIENCY DESCRIPTION :  
INSPECTION FROM AGENCY  
C) NAME OF REPORTING PARTY AND DATE: SERBATA P-  
D) DATE SCHEDULED : 10-14-05

1) NAME:	DATE/TIME
2) FINDINGS:	
3) HAS THE JOB BEEN COMPLETED? YES/NO IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:	
4) POST REPAIR TEST RESULTS:	
5) THE CAUSE OF THE DEFICIENCY:	
BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:	
6) OTHER: INSPECTOR FROM E.B.MUD. WAS AT THIS SIDE	

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERRAN P

DATE OF INSPECTION: 10-11-05

OBSERVATIONS AND COMMENTS: CHECK BELT, CHECK OIL, CHANGE BAG FILTER, PICKUP SOME ALGAE FROM HOLDING TANK, CHECK FOR LEAK HOSES AND PIPE, REPLACE FILTER IN PRESSURE/REGULATOR,

FLOW METER READING: 12578.6

SAMPLES OBTAINED: N/A

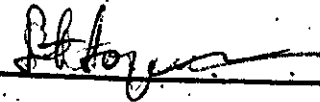
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.6

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.0

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

INSPECTOR'S SIGNATURE: 

049

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 10-04-05

OBSERVATIONS AND COMMENTS: CHECK BELT, CHECK OIL, CHANGE WATER BAG FILTER, TAKE WATER SAMPLING

FLOW METER READING: 12314.2

SAMPLES OBTAINED: SYSTEM WATER SAMPLING

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: N/A

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.7

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.1

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

INSPECTOR'S SIGNATURE: [Signature]

THRIFTY OIL CO. SERVICE STATION #049  
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 09-26-05

OBSERVATIONS AND COMMENTS: CHECK OIL, CHECK GAUGE PRESSURE FROM HOLDING TANK, CHECK BELT, ADJUST PRESSURE/REGULATOR FOR ALL WELLS PUMPS, CLEAN INSIDE COMPOUND (TRASH, PAPER),

FLOW METER READING: -12241.6

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.7

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.0

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

INSPECTOR'S SIGNATURE: [Signature]

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09-20-06

OBSERVATIONS AND COMMENTS: CHANGE OIL, CHECK AIR FILTER, CHECK  
PUMP IN MW-2R, CHECK AND ADJUST PRESSURE/REGULATOR  
FOR RW-1R, CLEAN COMPOUND FOR PAPER AND GARABOR  
TROW OVER PENCEL

FLOW METER READING: -11930.2 -

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.6

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.0

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

INSPECTOR'S SIGNATURE: St. Topov

# ***APPENDIX D***



**ASSOCIATED LABORATORIES**

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

FAX 714/538-1209

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

LAB REQUEST 160005

REPORTED 11/21/2005

RECEIVED 11/11/2005

PROJECT Station #049  
3400 San Pablo Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

666243

666244


Client Sample Identification

TOC #049 Outlet

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.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING  
Chemical  
Microbiological  
Environmental

Order #: 666243

Client Sample ID: TOC #049 Outlet

Matrix: WATER

Date Sampled: 11/08/2005 Time Sampled: 08:15

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

624 Volatile Organic Compounds by GC/MS

Benzene	ND	1	5	0.10 ug/L	11/17/05 LB
Ethyl benzene	ND	1	5	0.06 ug/L	11/17/05 LB
Toluene	ND	1	5	0.15 ug/L	11/17/05 LB
Xylenes, Total	ND	1	5	0.4 ug/L	11/17/05 LB

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	95	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	106	%	70 - 130
Surr3 - Toluene-d8	93	%	70 - 130
Surr4 - p-Bromofluorobenzene	92	%	70 - 130

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





Order #: 666244

Client Sample ID: Laboratory Method Blank

Matrix: WATER

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

## 624 Volatile Organic Compounds by GC/MS

Benzene	ND	1	5	0.10 ug/L	11/17/05 LB
Ethyl benzene	ND	1	5	0.06 ug/L	11/17/05 LB
Toluene	ND	1	5	0.15 ug/L	11/17/05 LB
Xylenes, Total	ND	1	5	0.4 ug/L	11/17/05 LB

## Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	101	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105	%	70 - 130
Surr3 - Toluene-d8	96	%	70 - 130
Surr4 - p-Bromofluorobenzene	97	%	70 - 130

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

ND = Not detected below indicated MDL, J=Trace



Associated Laboratories  
QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 3

Sample ID: MS/MSD-water sample 160005-243  
Date Analyzed: November 17, 2005 9:12pm  
Sample Matrix: water  
Units: µg/L

Applies to LR: 160018, 160005, 159920, 160060, 159989, 160030

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.40	50.16	101	100	0	22	59 - 172
MTBE	0.00	50.0	50.72	53.78	101	108	6	24	62 - 137
Benzene	0.00	50.0	49.33	50.49	99	101	2	24	62 - 137
Trichloroethene	0.00	50.0	46.38	44.06	93	88	5	21	66 - 142
Toluene	0.00	50.0	50.64	50.17	101	100	1	21	59 - 139
Chlorobenzene	0.00	50.0	49.53	49.15	99	98	1	21	60 - 133

\* = Outside QC limits due to high concentration in sample

Sample ID: LCS - water  
Date Analyzed: November 18, 2005 4:30am  
Sample Matrix: water  
Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res		Spike % Rec			QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	47.17		94			22	59 - 172
MTBE	0.00	50.0	50.94		102			24	62 - 137
Benzene	0.00	50.0	50.41		101			24	62 - 137
Trichloroethene	0.00	50.0	45.98		92			21	66 - 142
Toluene	0.00	50.0	48.94		98			21	59 - 139
Chlorobenzene	0.00	50.0	47.97		96			21	60 - 133

If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery GCMS # 3

Compound	MB1	MB2		MS	MSD	LCS			Limits % Rec
Dibromofluoromethane	101	97		109	109	107			70-135
1,2-Dichloroethane-d4	105	105		85	89	84			70-135
Toluene-d8	96	94		98	99	100			70-135
p-Bromofluorobenzene	97	94		98	94	93			70-135



**ASSOCIATED LABORATORIES**

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

FAX 714-538-1209

**SAMPLE ACCEPTANCE CHECKLIST**

**Section 1**  
 Client: Thifty oil Project: TOC 049  
 Date Received: 11-11-05  
 Sample(s) received in cooler: Yes No (Skip Section 2)

**Section 2**  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler or box temperature: 2.8 °C  
 (Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Yes - were they intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No head space in VOA vials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the correct preservatives used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the samples scanned for presence of radioactivity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Section 4**  
 Explanations/Comments

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**Section 5**  
 Was Project Manager notified of discrepancies: Y / N

Completed By: mv Date: 11-11

# Chain of Custody Record



150005

Company <b>THRIFTY OIL CO.</b>	Phone <b>(562) 921-3581</b>	A.L. Job No. <b>150005</b>	
Project Manager <b>JEFF SURYAKUSUMA</b>	Fax <b>(562) 921-7510</b>	Analysis Requested	
Project Name <b>SPLIT WATER SAMPLE</b>	Project # <b>049</b>	Test instructions & Comments	
Site Name and Address <b>3400 SAN PABLO AVE OAKLAND, CA. 94612</b>			

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested										Test instructions & Comments								
1		11-08-05	8:15	H <sub>2</sub> O	3-VOA	HCL	X																	GRAB SAMPLE	
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									

BTEX(624)

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: <b>E.M.C. 1.</b>	Relinquished by <b>G.S.O. 2.</b>	Relinquished by <b>3.</b>
Total Number of Containers	Property Cooled: Y / N / NA	Signature: <i>[Signature]</i>		Signature:	Signature:	
Custody Seals Y / N / NA	Samples Intact Y / N / NA	Printed Name: <b>SPRBAW D.</b>		Printed Name:	Printed Name:	
Received in Good Condition Y / N	Samples Accepted Y / N	Date: <b>11-10-05</b>	Time: <b>17:00</b>	Date:	Time:	Date:      Time:
Turn Around Time				Received By: <b>G.S.O. 1.</b>	Received By: <b>2.</b>	Received By: <b>3.</b>
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	Signature: <i>[Signature]</i>	Signature:
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name: <b>SPRBAW</b>	Printed Name:
				Date:	Date: <b>11/11/05</b>	Date:      Time:
					Time: <b>10:50</b>	Time:

*[Handwritten signature]* 11/11/05 1:30



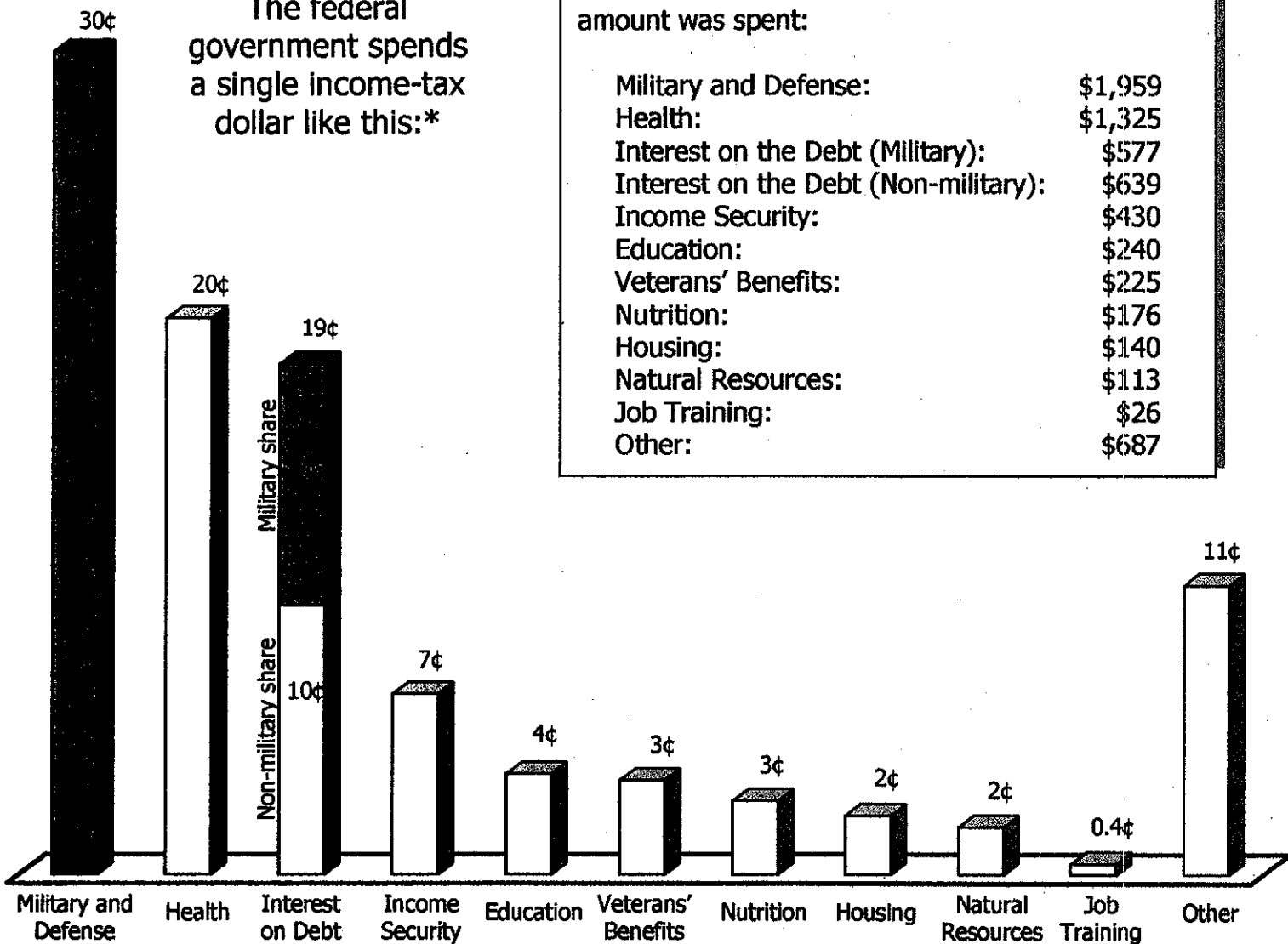
# WHERE DO YOUR TAX DOLLARS GO? OAKLAND, CALIFORNIA

April 2005

The average household in Oakland paid \$6,538 in federal income taxes in 2004. Here is how that amount was spent:

Military and Defense:	\$1,959
Health:	\$1,325
Interest on the Debt (Military):	\$577
Interest on the Debt (Non-military):	\$639
Income Security:	\$430
Education:	\$240
Veterans' Benefits:	\$225
Nutrition:	\$176
Housing:	\$140
Natural Resources:	\$113
Job Training:	\$26
Other:	\$687

The federal government spends a single income-tax dollar like this:\*



Notes: \*The breakdown of the individual income-tax dollar refers to the Federal funds budget outlays and does not include trust fund outlays (such as Social Security). The breakdown is based on fiscal year 2004 actual outlays extracted from the *Budget of the U.S. Government, FY2006, Appendix*. Numbers may not add up to totals due to rounding. *Military and defense* includes the government definition of national defense, other military programs, and the Department of Homeland Security (DHS). *Income security* includes Supplemental Security Income (aimed at elderly, disabled and blind with low income), tax credit programs, TANF, child care spending and other programs aimed at families. *Other* includes the following function and sub-function areas: general science, space and technology; international affairs other than military assistance; energy; agriculture; commerce and housing credit; transportation; community and regional development; labor and social services other than job training; justice; general government; and undistributed offsetting receipts. For more information on the analysis, go to *Where do Your Tax Dollars Go? Notes and Sources* available at [www.nationalpriorities.org/TaxDay2005/sources.pdf](http://www.nationalpriorities.org/TaxDay2005/sources.pdf).

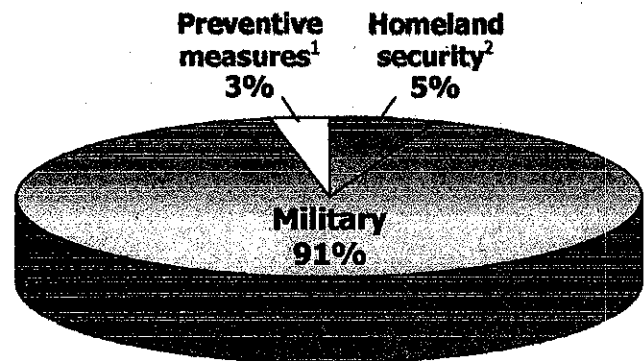
National Priorities Project ♦ 17 New South Street, Suite 302 ♦ Northampton, MA 01060  
413-584-9556 ♦ [info@nationalpriorities.org](mailto:info@nationalpriorities.org) ♦ [www.nationalpriorities.org](http://www.nationalpriorities.org)

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# MILITARY DOMINATES SECURITY SPENDING

Close to one-third of the income-tax dollar is spent on **national security**. This money is divided into military spending, homeland security, and preventive measures such as diplomacy, peacekeeping and development aid. Less than a penny goes to preventive measures that help mitigate conflict and alleviate many of the conditions that produce breeding grounds for terrorists.

Distribution of Security Dollars



## MORE ON YOUR TAX DOLLAR...



Only *half* of a penny is spent on **energy conservation**. Safe, reliable and affordable energy alternatives will insure our country against future instability and conflict by reducing our dependence upon fossil fuels.



**Housing assistance** accounts for about 2¢ of every tax dollar and made up \$36.6 billion in federal outlays last year. By contrast, homeowners with mortgages claimed \$70 billion in reduced taxes. Two-thirds of that amount went to those with incomes more than \$100,000 a year.<sup>3</sup>



**Interest payments on the national debt** consume 18.6¢ of every income-tax dollar. While interest rates have remained low, stemming the impact of growing debt, large deficits this year and to come may demand a larger portion of income-tax dollars in the future.



**Veterans' benefits** account for about 3.4¢ of the income-tax dollar and include health, education, retirement and other benefits for veterans. Veterans organizations have put forth an alternative budget which indicates that \$4.3 billion more is needed in funding. Other changes are required to address rapidly-rising health care costs, special needs of disabled veterans, and other promised benefits for veterans.<sup>4</sup>

Notes: <sup>1</sup>Preventive measures refer to all non-military forms of international assistance, conduct of foreign affairs, foreign information and exchange activities and international financial programs. <sup>2</sup>Total homeland security outlays in 2004 are not possible to estimate given the presentation of the budget materials by OMB. However, OMB, *Mid-session Review, FY2005* cites discretionary outlays as \$29 billion; mandatory outlays as published in the *Public Database, FY2006* add another \$434 million. <sup>3</sup>Joint Committee on Taxation. <sup>4</sup>*Independent Budget, FY2006*. For more information and links to sources, go to *Where do Your Tax Dollars go? Notes and Sources* available on the NPP website at [www.nationalpriorities.org/TaxDay2005/sources.pdf](http://www.nationalpriorities.org/TaxDay2005/sources.pdf).