

July 26, 2006

O.68433

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

Local #RO0000004  
RWQCB #01-1478

RE: **Former Thrifty Oil Co. Station #049**  
3400 San Pablo Avenue  
Oakland, CA 94612  
*2nd Quarter 2006, Status Report*

Dear Mr. Gholami:

Presented herein is the 2nd Quarter 2006, 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 second quarter of 2006.

Should you have any questions regarding this report, please contact either Michael Bowery or myself at 562 921-3581.

Respectfully submitted,



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Chris Panaitescu  
General Manager  
Environmental Affairs

cc: BP West Coast Products LLC; Mr. Bobby Lu, P.G..  
File



**Summary of Monitoring and Sampling Activities**  
**Thrifty Oil Co. Station #049**  
**Second Quarter 2006**  
**Reporting Period: 4/1/2006 to 6/30/2006**

**Site Information:**

Site address:	TOC SS #049 (ARCO #9535) 3400 San Pablo Avenue Oakland, CA
Global ID No.:	T0600101365
EDF Confirmation No.:	4664562702
Lead Agency No.:	Local #RO0000004
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Amir Gholami / 510 567-6735
Project Manager:	Michael Bowery / 562-921-3581 ext. 404

**Field Activity:**

Groundwater wells onsite:	8
Groundwater wells offsite:	0
Date(s) monitored:	4/19/2006
Date(s) sampled:	4/19/2006
Groundwater wells gauged:	8
Groundwater wells sampled:	8
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Drums – Safety-Kleen pickup
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

**Site Hydrogeology:**

Depth to groundwater (feet bgs):	3.38 to 57.20
Groundwater elevation (feet above mean sea level):	91.97 to 95.80
Groundwater gradient and flow direction:	Southwest at approximately 0.0319 ft./ft.
Consistent with previous quarter:	Consistent with previous quarters

**Groundwater Conditions:**

TPHg concentration (ug/L):	ND<5.6 to 26,100
Benzene concentration (ug/L):	ND<0.32 to 440
Toluene concentration (ug/L):	ND<0.1 to 4,240
Ethyl benzene concentration (ug/L):	ND<0.24 to 254
Total Xylenes concentration (ug/L):	ND<0.3 to 3,350
MTBE concentration (ug/L):	ND<0.63 to 732
DIPE concentration (ug/L):	ND<0.29 to <5.8
ETBE concentration (ug/L):	ND<0.17 to <3.4
TAME concentration (ug/L):	ND<0.28 to 36
TBA concentration (ug/L):	ND<10 to 231

**Remediation Activity:**

System type:	GWPT
System start-up:	4/8/91 (Upgraded System Start-Up 6/21/04)
Operation this quarter (hrs.):	NA
Cumulative Operation (hrs.):	NA
GW discharge this quarter (gal.):	34,146
Total GW discharge (gal.):	1,597,756
Hydrocarbons extracted this quarter (lbs.):	NA
Total hydrocarbons extracted (lbs.):	NA
Hydrocarbon removal rate (lbs/hour) from startup	NA
Hydrocarbon removal rate (lbs/hour) this quarter	NA

### **Groundwater Monitoring**

Depth to groundwater is measured in each monitoring well on a quarterly basis. A groundwater elevation contour map based on the April 19, 2006 monitoring data is presented in **Figure 2**. Groundwater elevation data indicates that groundwater flow to the southwest under an approximate gradient of 0.0319 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 April 19, 2006. Groundwater wells MW-2 and MW-4 and recovery well RW-1 were abandoned by Advanced GeoEnvironmental (AGE) in January 2004, and replacement wells MW-2R, MW-4R, and RW-1R were installed as part of an upgrade to the groundwater recovery system. Groundwater samples were delivered by EMC in a chilled state following strict Chain-of-Custody procedures to a state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M. Volatile organic compounds of benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert butyl ether (MTBE), and other oxygenates were analyzed by EPA Method 8260B. A summary of historical analytical sampling results for TPHg, BTEX, and MTBE is provided in **Table 1** and other oxygenates in **Table 2**. Copies of the EMC Field Data Groundwater Sampling Forms are provided in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, and MTBE isoconcentration maps in micrograms per liter (ug/L) were prepared using data from the April 19, 2006, sampling event and are presented in **Figures 3, 4, and 5**, respectively. Laboratory results indicate the highest concentrations of benzene and MTBE were detected in well MW-2R (440 ug/L and 732 ug/L, respectively). The maximum TPHg concentration was detected in well RW-4R (26,100 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. During the current quarter, TPHg, benzene, and MTBE were non detect in well MW-5; however, TPHg and MTBE were detected in upgradient well MW-6 at 78 ug/L and 201 ug/L, respectively. The presence of dissolved

### **Remediation Status**

Site remedial activities were initiated in April 1991. Originally, the remediation equipment consisted of a Groundwater Treatment System using activated carbon, with groundwater extraction from recovery well RW-1. System operational data is included in **Table 3**. On 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 was producing 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 June 27, 2006, the upgraded system produced and treated 34,146 gallons of water for a cumulative system total of 1,597,756 gallons (**Table 3**). On February 1, 2006, Thrifty split samples with EBMUD; the effluent water sample from the PSP-1 sampling port was collected 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 April 18 and restarted on April 21, 2006. The system was shutdown for carbon change on April 26 and restarted on May 2, 2006. The battery was changed for the digital flow meter on February 1, 2006 resulting in the meter resetting to "0" and the flow meter itself was replaced on February 24, 2006, with an analog type meter starting with 10 gallons. Copies of the Field Reports prepared by EMC are provided in **Appendix C** and the system effluent analytical results collected by EMC on April 4, May 23, and June 9, 2006 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 Services (ACHCS) 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 ACHCS 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 ACHCS in e-mail dated April 27, 2004, Thrifty submitted a workplan to install one onsite and two offsite wells downgradient of the site. The ACHCS 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 ACHCS approved the May 7, 2004, workplan with the request that additional borings be considered if soil and groundwater samples indicate significant hydrocarbon contamination. The ACHCS 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. A map with the final locations of the soil borings and wells approved to be installed at the site is attached (**Figure 8**). 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.

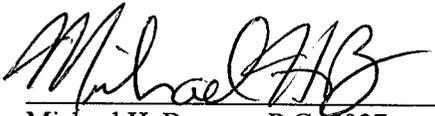
In a letter received by Thrifty dated December 7, 2005, the ACHCS requested site information including depth to water, groundwater flow direction, dissolved constituents concentrations, well screen levels, plume stability, and if active remediation was occurring onsite. Thrifty forwarded the requested information on January 10, 2006. The ACHCS also requested that a site conceptual model (SCM) be prepared for the site; Thrifty uploaded the SCM to the ACHCS FTP website on May 8, 2006.

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 Third 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. 5027  
Project Manager



# ***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 (ng/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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THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)	
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)						
07/20/98	430,000	4,200	10,000	5,400	28,000	77,000	6.94	NP	0.00	97.44	90.50	
10/14/98	27,000	<0.3	4.5	4.1	4.6	65,000	8.45	NP	0.00	97.44	88.99	
01/21/99	16,000	7.6	9.8	4.2	310	* 49,000 / 42,000	6.95	NP	0.00	97.44	90.49	
04/15/99	20,000	<0.3	<0.3	<0.3	<0.5	* 31,000 / 30,000	8.45	NP	0.00	97.44	88.99	
07/26/99	6,700	<6	<6	<6	<10	*11,000 / 15,000	6.94	NP	0.00	97.44	90.50	
10/13/99	7,600	<3	3.7	<3	11	11,000	5.48	NP	0.00	97.44	91.96	
01/20/00	7,500	<6	<6	<6	<10	*14,000 / 16,000	5.84	NP	0.00	97.44	91.60	
04/05/00	10,400	<0.25	<0.25	<0.25	<0.5	*10,000 / 14,400	5.41	NP	0.00	97.44	92.03	
07/19/00	130	<0.3	<0.3	<0.3	<0.6	*9,620 / 6,520	5.40	NP	0.00	97.44	92.04	
10/18/00	150	<0.18	<0.14	<0.18	<0.26	*9,090 / 6,560	6.91	NP	0.00	97.44	90.53	
01/17/01	75	<0.18	2.0	2.0	3.0	*8,650 / 9,710	5.41	NP	0.00	97.44	92.03	
04/19/01	4,380	<0.18	<0.14	<0.18	<0.26	8,890	5.40	NP	0.00	97.44	92.04	
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>												
02/03/04							-	-	-	-	-	
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	-	-	
01/24/06	3,200	34	331	87	510	86	4.58	NP	0.00	-	-	
04/19/06	22,100	440	4,240	234	1,530	195	3.38	NP	0.00	-	-	

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THRIFTY OIL STATION #049, OAKLAND, CA.**

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	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
<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
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



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)	
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)						
10/14/98	3,100	86	23	2.0	520	1,100	6.85	NP	0.00	97.33	90.48	
01/21/99	9,100	3.2	5.6	1.8	130	* 24,000 / 17,000	6.10	NP	0.00	97.33	91.23	
04/15/99	14,000	<0.3	0.71	<0.3	<0.5	* 20,000 / 22,000	6.05	NP	0.00	97.33	91.28	
07/26/99	4,500	<6	<6	<6	<10	*8,700 / 9,800	6.07	NP	0.00	97.33	91.26	
10/13/99	410	<0.3	0.63	<0.3	<0.5	660	5.54	NP	0.00	97.33	91.79	
01/20/00	770	<0.3	<0.3	<0.3	<0.5	*2,400 / 1,900	5.49	NP	0.00	97.33	91.84	
04/05/00	61,200	0.9	<0.25	<0.25	<0.5	*18,500 / 21,900	5.30	NP	0.00	97.33	92.03	
07/19/00	96,600	1,770	1,760	2,690	8,730	21,900 / 9,740 J	5.29	NP	0.00	97.33	92.04	
10/18/00	34,900	698	1,010	607	4,130	*27,800 / 15,900	6.02	NP	0.00	97.33	91.31	
01/17/01	29,100	799	930	614	3,400	*24,300 / 31,400	4.88	NP	0.00	97.33	92.45	
04/19/01	103,000	4,880	3,980	3,260	11,800	66,900	4.89	NP	0.00	97.33	92.44	
07/18/01	52,200	3,320	2,090	440	5,520	*55,500 / 16,800	6.04	NP	0.00	97.33	91.29	
10/10/01	8,580	6.1	14	5.3	70	*40,100 / 30,000	4.51	NP	0.00	97.33	92.82	
01/30/02	36,500	<0.18	3.0	1.0	3.0	*43,000 / 24,900	4.51	NP	0.00	97.33	92.82	
04/17/02	12,900	8.0	1.0	<0.18	1.0	16,000 / 13,600	4.51	NP	0.00	97.33	92.82	
07/31/02	19,300	<0.18	1.2	1.5	2.6	*13,200 / 10,100	5.26	NP	0.00	97.33	92.07	
11/14/02	36,200	1,720	940	235	6,190	8,280	5.27	NP	0.00	97.33	92.06	
01/29/03	13,000	444	39	<0.4	1,200	8,160	4.50	NP	0.00	97.33	92.83	
04/23/03	7,430	130	5.7	<0.2	387	5,830	4.80	NP	0.00	97.33	92.53	
07/10/03	16,200	<2.2	<3.2	<3.1	<4.0	3,930	4.55	NP	0.00	97.33	92.78	
10/20/03	6,040	672	384	3.4	444	*3,780 / 3,220	4.56	NP	0.00	97.33	92.77	
01/14/04	WELL ABANDONED 01/2004											
<b>MONITORING WELL #MW-4R</b>												
02/03/04							-	-	-	-	-	
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	-	-	
01/24/06	41,300	391	2,310	871	5,430	388	4.98	NP	-	-	-	
04/19/06	26,100	399	1,290	254	3,350	732	4.72	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)	MIBE (ug/L)					
<b>MONITORING WELL #MW-5</b>											
<i>Screen Interval = 4 to 14 feet</i>											
01/09/92	-	-	-	-	-	-	5.32	NP	0.00	98.85	93.53
04/13/92	-	-	-	-	-	-	4.82	NP	0.00	98.85	94.03
10/0/92	-	-	-	-	-	-	8.78	NP	0.00	98.85	90.07
01/06/93	-	-	-	-	-	-	3.46	NP	0.00	98.85	95.39
04/26/93	-	-	-	-	-	-	4.66	NP	0.00	98.85	94.19
01/04/94	-	-	-	-	-	-	6.36	NP	0.00	98.85	92.49
04/05/94	-	-	-	-	-	-	5.94	NP	0.00	98.85	92.91
07/12/95	<100	<0.5	<0.5	<0.5	<1	-	-	-	-	98.85	-
10/09/95	440	31	11	19	84	-	-	-	-	98.85	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.63	NP	0.00	98.85	92.22
04/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	5.22	NP	0.00	98.85	93.63
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.62	NP	0.00	98.85	92.23
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.12	NP	0.00	98.85	92.73
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.17	NP	0.00	98.85	93.68
04/21/97	73	2.5	0.34	0.74	3.8	21	6.64	NP	0.00	98.85	92.21
07/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	6.67	NP	0.00	98.85	92.18
10/07/97	130	<0.3	<0.3	<0.3	<0.5	-	8.20	NP	0.00	98.85	90.65
01/19/98	85	<0.3	<0.3	<0.3	<0.5	-	1.55	NP	0.00	98.85	97.30
04/23/98	220	0.39	<0.3	<0.3	<0.5	350	8.10	NP	0.00	98.85	90.75
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5	6.30	NP	0.00	98.85	92.55
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5	7.65	NP	0.00	98.85	91.20
01/21/99	<50	<0.3	<0.3	<0.3	<0.5	*6.7 / <5	6.15	NP	0.00	98.85	92.70
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	1.60	NP	0.00	98.85	97.25
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.13	NP	0.00	98.85	92.72
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.61	NP	0.00	98.85	92.24
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5	6.14	NP	0.00	98.85	92.71
04/05/00	<50	0.5	<0.25	<0.25	<0.5	*5.4 / <5	4.58	NP	0.00	98.85	94.27
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5	4.59	NP	0.00	98.85	94.26
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.28	NP	0.00	98.85	92.57
01/17/01	<50	<0.18	<0.14	<0.18	1.0	*5 / 4.8	4.58	NP	0.00	98.85	94.27
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.12	NP	0.00	98.85	92.73
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.48	NP	0.00	98.85	94.37
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.58	NP	0.00	98.85	94.27

**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	<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
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
01/24/06	681	<0.32	<0.10	<0.24	<0.30	334	4.34	NP	0.00	98.85	94.51
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	4.58	NP	0.00	98.85	94.27
<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

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
01/23/98	<50	<0.3	<0.3	<0.3	<0.5	-	2.35	NP	0.00	99.67	97.32
04/23/98	<50	<0.3	<0.3	<0.3	<0.5	<20	6.90	NP	0.00	99.67	92.77
07/20/98	<50	<0.3	1.1	<0.3	1.4	<5	5.45	NP	0.00	99.67	94.22
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5	4.95	NP	0.00	99.67	94.72
01/21/99	<50	0.35	0.62	<0.3	<0.5	<5	3.90	NP	0.00	99.67	95.77
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.35	NP	0.00	99.67	97.32
07/26/99	1,000	<0.3	<0.3	<0.3	<0.5	*2,300 / 3,900	3.93	NP	0.00	99.67	95.74
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.15	NP	0.00	99.67	93.52
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*42 / 41	5.84	NP	0.00	99.67	93.83
04/05/00	4,600	338	2.8	1.2	55.2	*282 / 230	3.89	NP	0.00	99.67	95.78
07/19/00	60	1.0	2.0	<0.3	<0.6	*87 / 76	3.07	NP	0.00	99.67	96.60
10/18/00	-	-	-	-	-	-	-	-	-	99.67	-
01/17/01	103	<0.18	2.0	<0.18	3.0	*78 / 106	3.87	NP	0.00	99.67	95.80
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.40	NP	0.00	99.67	94.27
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.86	NP	0.00	99.67	95.81
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
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	5.20	NP	0.00	99.67	94.47
04/19/06	78	<0.32	<0.10	<0.24	<0.30	201	3.87	NP	0.00	99.67	95.80

**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-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
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

**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)					
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
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
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	4.89	NP	0.00	99.02	94.13
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	2.9	5.13	NP	0.00	99.02	93.89
<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	-	-	-	-	-	-	-	-	-	-	-

**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)					
04/15/99	-	-	-	-	-	-	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	-	-
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>											
02/03/04							-	-	-	-	-
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	-	-
01/24/06	14,500	192	1,150	342	2,980	432	4.78	NP	0.00	-	-
04/19/06	7,430	94	411	<2.4	1,820	571	4.94	NP	0.00	-	-

**NOTE:** \* MTBE 8020 / 8260

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020.

**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)					

ND = Nondetectable

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

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

Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260

On 7/21/04, 4/08/04, 7/10/03 & 11/14/02, BTEX and MTBE done by 8260B

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

DATE SAMPLED	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ug/L)	Methanol (ug/L)
<b>MONITORING WELL # MW-1</b>						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	12	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
<b>MONITORING WELL # MW-2</b>						
11/14/02	<2.0	<1.2	111	341	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	59	449	-	-
10/20/03	-	-	-	-	-	-
<b>WELL ABANDONED 01/2004</b>						
<b>MONITORING WELL # MW-2R</b>						
02/03/04	<0.29	<0.17	76	1,610	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	37	1,130	-	-
07/20/05	<0.29	<0.17	95	151	<20	<20
10/19/05	<0.29	<0.17	13	33	<20	<20
01/24/06	<0.29	<0.17	<0.28	42	<20	<20
04/19/06	<5.8	<3.4	<5.6	<200	<20	<20
<b>MONITORING WELL # MW-3</b>						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20

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

DATE SAMPLED	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ug/L)	Methanol (ug/L)
<b>MONITORING WELL # MW-4</b>						
11/14/02	<2.0	<1.2	106	281	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	35	<100	-	-
10/20/03	-	-	-	-	-	-
<b>WELL ABANDONED 01/2004</b>						
<b>MONITORING WELL # MW-4R</b>						
02/03/04	<0.29	<0.17	209	1,350	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	57	167	-	-
07/20/05	<0.29	<0.17	<0.28	369	<20	<20
10/19/05	<0.29	<0.17	39	335	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<2.9	<1.7	36	231	<20	<20
<b>MONITORING WELL # MW-5</b>						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	1.4	<10	<20	<20
01/24/06	<0.29	<0.17	1.2	19	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
<b>MONITORING WELL # MW-6</b>						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	2.1	38	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20

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

DATE SAMPLED	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ug/L)	Methanol (ug/L)
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	13	<20	<20
<b>MONITORING WELL # MW-7</b>						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
<b>MONITORING WELL # RW-1R</b>						
02/03/04	<0.29	<0.17	53	1,370	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	71	1,740	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	9.6	65	<20	<20
01/24/06	<2.9	<1.7	<2.8	156	<20	<20
04/19/06	<2.9	<1.7	11	206	<20	<20

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
4/8/1991	1,310	0	-	-	<0.3	<0.3	<0.3	<0.9	-	-	910	2000	160	2000	-
4/15/1991	1,434	124	18	-	<0.3	<0.3	<0.3	<0.3	-	-	2800	4600	310	5000	-
4/22/1991	1,510	200	11	-	<15	<15	<15	<45	-	-	3100	3300	<15	2800	-
4/29/1991	1,660	350	21	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	4500	300	5000	-
5/6/1991	1,740	430	11	-	<0.3	<0.3	<0.3	<0.9	-	-	3600	3500	300	3800	-
5/13/1991	1,880	570	20	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3200	230	3900	-
5/20/1991	2,010	700	19	-	<0.3	<0.3	<0.3	<0.9	-	-	3300	3400	260	5100	-
5/28/1991	2,050	740	5	-	<0.3	<0.3	<0.3	<0.9	-	-	2900	3000	230	4200	-
6/3/1991	2,110	800	10	-	<0.3	<0.3	<0.3	<0.9	-	-	2500	2100	110	2800	-
6/10/1991	2,160	850	7	-	<0.3	<0.3	<0.3	<0.9	-	-	1800	1700	120	2100	-
6/17/1991	2,219	909	8	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1900	170	2700	-
6/24/1991	2,263	953	6	-	<0.3	<0.3	<0.3	<0.9	-	-	2100	1800	150	2700	-
07/01/91	2,313	1,003	7	-	<0.5	<0.5	<1	<1	-	-	2,700	2,000	150	2,900	-
07/08/91	2,700	1,390	55	-	<0.5	<0.5	<1	<1	-	-	4,000	2,500	130	4,400	-
07/15/91	2,872	1,562	25	-	<0.5	<0.5	<1	<1	-	-	3,100	1,900	140	3,200	-
07/22/91	3,144	1,834	39	-	<0.5	<0.5	<1	<1	-	-	3,400	2,100	110	2,800	-
07/29/91	3,220	1,910	11	-	<0.5	<0.5	<1	<1	-	-	5,100	2,200	180	2,700	-
08/05/91	3,348	2,038	18	-	<0.5	<0.5	<1	<1	-	-	5,100	3,900	400	4,200	-
08/12/91	3,472	2,162	18	-	<0.5	<0.5	<1	<1	-	-	11,000	6,200	440	8,400	-
08/19/91	3,548	2,238	11	-	<0.5	<0.5	<1	<1	-	-	4,500	2,400	130	2,600	-
08/26/91	3,655	2,345	15	-	<0.5	<0.5	<1	<1	-	-	4,400	2,500	260	3,600	-
09/09/91	3,822	2,512	12	-	<0.5	<0.5	<1	<1	-	-	5,200	3,000	390	3,700	-
09/16/91	3,884	2,574	9	-	<0.5	<0.5	<1	<1	-	-	4,100	2,000	460	4,900	-
09/23/91	4,013	2,703	18	-	<0.5	<0.5	<1	<1	-	-	4,600	1,600	710	6,400	-
09/30/91	4,092	2,782	11	-	<0.5	<0.5	<1	<1	-	-	5,700	2,000	380	6,200	-
10/07/91	4,131	2,821	6	System shut down						-					-
10/14/91	4,195	2,885	9	-	<0.5	<0.5	<1	<1	-	-	4,400	2,000	370	8,100	-
10/21/91	4,406	3,096	30	-	<0.5	<0.5	<1	<1	-	-	2,300	1,100	190	4,200	-
10/28/91	4,474	3,164	10	-	<0.5	<0.5	<1	<1	-	-	6,400	4,100	620	6,100	-
11/03/91	4,613	3,303	23	-	<0.5	<0.5	<1	<1	-	-	6,100	2,800	200	5,600	-
11/11/91	4,700	3,390	11	-	<0.5	<0.5	<1	<1	-	-	6,500	2,300	<30	4,900	-
11/18/91	4,887	3,577	27	-	<0.5	<0.5	<1	<1	-	-	5,600	2,500	300	4,600	-
11/25/91	5,042	3,732	22	-	<0.5	<0.5	<1	<1	-	-	5,400	2,800	230	5,700	-
12/03/91	5,263	3,953	28	-	<0.5	<0.5	<1	<1	-	-	7,200	3,300	490	5,500	-
12/09/91	5,362	4,052	17	-	<0.5	<0.5	<1	<1	-	-	4,400	1,700	140	3,900	-
12/16/91	5,486	4,176	18	-	<0.5	<0.5	<0.5	<0.5	-	-	4,700	2,300	310	4,600	-
12/23/91	5,516	4,206	4	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	2,200	290	5,900	-
12/30/91	5,575	4,265	8	-	<0.5	<0.5	<0.5	<0.5	-	-	5,200	2,500	350	5,800	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE	
01/15/92	5,720	4,410	9	-	<0.5	<0.5	<0.5	<0.5	-	-	3,400	1,900	300	6,300	-	
02/10/92	6,264	4,954	21	-	<0.5	<0.5	<0.5	<0.5	-	-	5,800	2,800	320	7,200	-	
03/09/92	8,520	7,210	81	<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	<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	<200	<0.5	<0.5	<0.5	<0.5	-	22,000	4,300	1,500	130	3,800	-	
06/01/92	28,330	27,020	162	<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	-	-	<0.5	<0.5	<0.5	<0.5	-	-	1,800	750	150	5,600	-	
07/13/92	72,675	27,020	-	The system pumped air and flowmeter jumped from 30,000 gallons to 70,000 gallons.						-	-	-	-	-	-	-
08/17/92	75,046	29,391	68	-	<0.5	<0.5	<0.5	<0.5	-	-	1,100	350	200	1,100	-	
09/14/92	75,582	29,927	19	-	<0.5	<0.5	<0.5	<1	-	-	2,100	520	<25	3,500	-	
10/05/92	75,680	30,025	5	<200	<0.5	<0.5	<0.5	<1	-	19,000	1,700	270	<25	4,000	-	
11/09/92	77,280	31,625	46	-	<0.5	<0.5	<0.5	<0.5	-	-	4,000	1,400	120	5,900	-	
12/14/92	79,420	33,765	61	-	<0.5	<0.5	<0.5	<1	-	-	7,300	4,900	1,800	16,000	-	
01/04/93	84,720	39,065	252	-	<0.5	<0.5	<0.5	<1	-	-	5,400	2,100	450	7,800	-	
02/15/93	102,689	57,034	428	<200	<0.5	<0.5	<0.5	<1	-	41,000	6,600	3,200	260	9,600	-	
02/22/93	146,430	57,034	-	The system pumped air and flowmeter jumped from 102,689 gallons to 146,430 gallons.						-	-	-	-	-	-	-
03/08/93	147,500	58,104	76	-	<0.5	<0.5	<0.5	<1	-	-	7,400	3,400	56	11,000	-	
04/26/93	151,200	61,804	76	<100	<0.5	<0.5	<0.5	<1	-	36,000	4,300	2,200	420	8,300	-	
04/26/93	151,200	61,804	-	Shut down system for repair						-	-	-	-	-	-	-
07/21/93	151,240	61,844	0	Restart the system						-	-	-	-	-	-	-
08/11/93	151,650	62,254	20	-	<0.5	<0.5	<0.5	<1	-	-	6,500	2,300	390	6,200	-	
09/16/93	154,005	64,609	65	<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	<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	<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	<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	-	<0.3	<0.3	<0.3	<0.5	-	-	3,800	730	<13	1,200	-	
02/03/94	170,720	81,324	153	-	<0.3	<0.3	<0.3	<0.5	-	-	3,600	610	<4.4	4,800	-	
03/03/94	178,168	88,772	266	-	<0.3	<0.3	<0.3	<0.5	-	-	2,800	2,000	270	3,400	-	
04/07/94	185,670	96,274	214	<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	<50	<0.3	<0.3	<0.3	<0.5	-	4,600	100	10	8.4	280	-	
06/16/94	194,680	105,284	167	<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	<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	<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	<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	<50	<0.3	<0.3	<0.5	<0.5	-	1,300	8.6	1.5	1.1	15	-	
11/07/94	206,060	116,664	30	<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	<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	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-	

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 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE	
02/01/95	207,650	118,254	16	<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	<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	<100	<0.5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0.5	<1	-	
04/10/95	208,564	119,168	4	<100	<0.5	<0.5	<0.5	<1	-	3,300	180	7.6	2.1	150	-	
05/08/95	208,608	119,212	2	<100	<0.5	<0.5	<0.5	<1	-	11,000	640	9.2	<5	1,100	-	
06/05/95	208,926	119,530	11	<100	<0.5	<0.5	<0.5	<1	-	5,100	270	2.2	<0.5	49	-	
07/10/95	214,182	124,786	150	<100	<0.5	<0.5	<0.5	<1	-	13,000	1,600	120	24	1,300	-	
08/07/95	221,876	132,480	275	Shut down system for repair						-	-	-	-	-	-	-
08/28/95	221,997	132,601	6	Restart the system						-	-	-	-	-	-	-
09/06/95	222,003	132,607	1	<100	<0.5	<0.5	<0.5	<1	-	2,300	<0.5	<0.5	<0.5	<1	-	
10/09/95	222,343	132,947	10	<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	<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	<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	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	<50	10	0.37	<0.3	0.53	-	3,300	190	<7.5	<7.5	20	-	
03/12/96	229,301	139,905	51	<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	<50	<0.3	<0.3	<0.3	<0.5	-	1,000	90	5	<0.3	67	-	
05/06/96	247,840	158,444	197	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	Shut down system for carbon change						-	-	-	-	-	-	-
08/08/96	248,423	159,027	-	Start-up system						-	-	-	-	-	-	-
08/20/96	248,630	159,234	17	<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	<50	<0.3	<0.3	<0.3	<0.5	-	4,100	260	<3	<3	34	-	
10/16/96	263,610	174,214	199	<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	<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	<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	<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	<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	<50	<0.3	<0.3	<0.3	<0.5	-	89,000	<6	11	<6	14	-	
04/21/97	267,415	178,019	5	<50	<0.3	<0.3	<0.3	<0.5	-	61,000	730	18	130	360	-	
05/22/97	276,535	187,139	294	<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	-	-	-	-	-	-	-	-	-	-	-	-	
07/14/97	284,210	194,814	143	<50	<0.3	<0.3	<0.3	<0.5	-	6,600	<0.3	0.59	<0.3	9	-	
08/18/97	298,610	209,214	411	-	-	-	-	-	-	-	-	-	-	-	-	
09/15/97	301,043	211,647	87	-	-	-	-	-	-	-	-	-	-	-	-	
10/07/97	333,480	244,084	1,474	<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	-	-	-	-	-	-	-	-	-	-	-	-	
12/08/97	334,382	244,986	5	-	-	-	-	-	-	-	-	-	-	-	-	
12/12/97	334,382	244,986	-	Shut down system due to stolen equipment						-	-	-	-	-	-	-

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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)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE	
04/08/98	334,382	244,986	-	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	
06/22/98	334,382	244,986	-	-	-	-	-	-	-	-	-	-	-	-	-	
07/20/98	334,382	244,986	-	<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	Shut down system for carbon canisters replacement						-	-	-	-	-	-	-
09/17/98	354,985	265,589	188	-	-	-	-	-	-	-	-	-	-	-	-	
10/14/98	358,015	268,619	112	<50	<0.3	<0.3	<0.3	1.6	-	3,100	45	13	3.5	350	-	
11/05/98	359,600	270,204	72	System shut down due to vandalism and stolen equipment						-	-	-	-	-	-	
11/20/98	359,600	270,204	-	Restart						-	-	-	-	-	-	
12/11/98	369,452	280,056	469	-	-	-	-	-	-	-	-	-	-	-	-	
12/24/98	-	280,056	-	No reading, meter broken						-	-	-	-	-	-	-
01/15/99	0	280,056	-	Replaced Flowmeter started at 0						-	-	-	-	-	-	-
01/21/99	986	281,042	164	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	-	-	-	-	-	-	-	-	-	-	-	-	
03/12/99	4,390	284,446	86	-	-	-	-	-	-	-	-	-	-	-	-	
04/15/99	8,595	288,651	124	<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	-	-	-	-	-	-	-	-	-	-	-	-	
05/18/99	9,410	289,466	-	Shut down system for pump controller repair by manufacturer						-	-	-	-	-	-	-
09/20/99	9,411	289,467	0	Restart the system						-	-	-	-	-	-	-
09/24/99	9,412	289,468	0	-	-	-	-	-	-	-	-	-	-	-	-	
10/13/99	9,510	289,566	5	<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	-	-	-	-	-	-	-	-	-	-	-	-	
12/17/99	9,894	289,950	5	-	-	-	-	-	-	-	-	-	-	-	-	
01/20/00	10,052	290,108	5	<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	-	-	-	-	-	-	-	-	-	-	-	-	
03/13/00	10,355	290,411	8	-	-	-	-	-	-	-	-	-	-	-	-	
04/05/00	10,546	290,602	8	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	Shut down system for carbon drum replacement						-	-	-	-	-	-	-
06/05/00	11,075	291,131	0	Restart the system						-	-	-	-	-	-	-
06/14/00	11,132	291,188	6	<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	Shut down system for carbon replacement						-	-	-	-	-	-	-
07/17/00	0	291,418	-	Restart the system after carbon change, repipe and flowmeter change (starting at 0.0)						-	-	-	-	-	-	-
07/24/00	411	291,829	59	<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	-	-	-	-	-	-	-	-	-	-	-	-	
09/18/00	27,251	318,669	681	-	-	-	-	-	-	-	-	-	-	-	-	
10/18/00	54,280	345,698	901	<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	-	-	-	-	-	-	-	-	-	-	-	-	
11/27/00	79,870	371,288	545	-	-	-	-	-	-	-	-	-	-	-	-	

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
12/22/00	99,240	390,658	775	-	-	-	-	-	-	-	-	-	-	-	-
01/17/01	101,250	392,668	77	<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	-	-	-	-	-	-	-	-	-	-	-	-
03/30/01	195,400	486,818	1,465	-	-	-	-	-	-	-	-	-	-	-	-
04/06/01	199,090	490,508	527	System shut down for carbon replacement; Replaced on 4/11/01, restart on 4/13/01.						-	-	-	-	-	-
04/20/01	207,050	498,468	569	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	System shut down for repair/replacement of compressor's pressure switch and exhaust valve						-	-	-	-	-	-
04/30/01	210,640	502,058	-	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	-	Replaced pressure switch on 5/7/01, system still off for carbon replacement.						-	-	-	-	-	-
05/21/01	210,640	502,058	-	Restart the system						-	-	-	-	-	-
05/30/01	226,830	518,248	1,799	<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	-	-	-	-	-	-	-	-	-	-	-	-
07/11/01	310,010	601,428	3,565	<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	-	-	-	-	-	-	-	-	-	-	-	-
09/28/01	498,310	789,728	1,358	-	-	-	-	-	-	-	-	-	-	-	-
10/03/01	503,930	795,348	1,124	<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	-	-	-	-	-	-	-	-	-	-	-	-
12/28/01	706,300	997,718	904	-	-	-	-	-	-	-	-	-	-	-	-
01/11/02	721,050	1,012,468	1,054	System shut down for carbon replacement						-	-	-	-	-	
01/21/02	721,050	1,012,468	-	Restart the system						-	-	-	-	-	
02/01/02	731,320	1,022,738	934	<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	-	-	-	-	-	-	-	-	-	-	-	-
03/27/02	813,240	1,104,658	1,876	-	-	-	-	-	-	-	-	-	-	-	-
04/12/02	835,170	1,126,588	1,371	<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	System shut down						-	-	-	-	-	
05/10/02	918,680	1,210,098	1	Restart						-	-	-	-	-	
05/17/02	928,670	1,220,088	1,427	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-
06/28/02	1,012,150	1,303,568	1,948	-	-	-	-	-	-	-	-	-	-	-	-
07/15/02	1,045,670	1,337,088	1,972	<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	System shut down for carbon replacement						-	-	-	-	-	
08/16/02	1,052,390	1,343,808	1	Restart						-	-	-	-	-	
08/30/02	1,057,310	1,348,728	351	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	1,061,730	1,353,148	210	<50	<0.1	<0.15	<0.06	-	-	Split-sample results during EBMUD inspection & sampling					
09/27/02	1,064,020	1,355,438	327	-	-	-	-	-	-	-	-	-	-	-	-
10/04/02	1,069,130	1,360,548	730	<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	-	-	-	-	-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE	
11/29/02	1,108,680	1,400,098	748	-	-	-	-	-	-	-	-	-	-	-	-	
12/27/02	1,123,890	1,415,308	543	-	-	-	-	-	-	-	-	-	-	-	-	
01/03/03	1,128,910	1,420,328	717	System shut down for carbon replacement						-	-	-	-	-	-	-
01/10/03	1,128,970	1,420,388	9	Restart						-	-	-	-	-	-	-
01/17/03	1,132,560	1,423,978	513	<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	<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	System shut down for carbon replacement						-	-	-	-	-	-	-
04/04/03	1,153,670	1,445,088	-	System kept off and dismantled for upgrade						-	-	-	-	-	-	-
06/18/04	0.0	1,445,088	-	Startup of upgraded system						-	-	-	-	-	-	-
06/21/04	2,322.2	1,447,410	774	-	< 0.22	< 0.32	< 0.31	< 0.4	-	-	-	-	-	-	-	
06/23/04	3,361.0	1,448,449	519	-	< 0.14	< 0.16	< 0.18	< 0.45	-	-	-	-	-	-	-	
06/25/04	4,398.0	1,449,486	519	-	< 0.14	< 0.16	< 0.18	< 0.45	-	-	-	-	-	-	-	
07/01/04	6,395.7	1,451,484	333	-	-	-	-	-	-	-	-	-	-	-	-	
07/09/04	8,606.5	1,453,695	276	-	-	-	-	-	-	-	-	-	-	-	-	
07/19/04	11,130.0	1,456,218	252	-	-	-	-	-	-	-	-	-	-	-	-	
07/29/04	11,346.0	1,456,434	22	-	-	-	-	-	-	-	-	-	-	-	-	
08/09/04	12,511.0	1,457,599	106	-	-	-	-	-	-	27,000	201	247	< 0.18	2,060	11,300	
08/30/04	19,294.0	1,464,382	323	-	-	-	-	-	-	-	-	-	-	-	-	
09/03/04	20,211.0	1,465,299	229	-	< 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	-	-	-	-	-	-	-	-	-	-	-	-	
10/07/04	28,244.9	1,473,333	217	-	< 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	-	< 0.14	< 0.16	< 0.18	< 0.45	-	Split-sample results during EBMDUD inspection & sampling						
10/21/04	28,463.5	1,473,552	58	-	-	-	-	-	-	-	-	-	-	-	-	
10/28/04	34,435.8	1,479,524	853	-	-	-	-	-	-	-	-	-	-	-	-	
11/02/04	37,200.4	1,482,288	553	-	-	-	-	-	-	-	-	-	-	-	-	
11/09/04	39,902.6	1,484,991	386	-	-	-	-	-	-	29,500	564	628	173	4,550	11,800	
11/17/04	43,165.9	1,488,254	408	-	-	-	-	-	-	-	-	-	-	-	-	
11/22/04	43,760.3	1,488,848	119	-	-	-	-	-	-	-	-	-	-	-	-	
12/03/04	43,827.9	1,488,916	6	-	-	-	-	-	-	-	-	-	-	-	-	
12/09/04	43,862.7	1,488,951	6	-	-	-	-	-	-	-	-	-	-	-	-	
12/17/04	44,034.6	1,489,123	21	-	-	-	-	-	-	-	-	-	-	-	-	
12/23/04	45,408.0	1,490,496	229	-	<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	-	-	-	-	-	-	-	-	-	-	-	-	
01/07/05	54,048.5	1,499,137	738	-	-	-	-	-	-	-	-	-	-	-	-	
01/12/05	56,143.5	1,501,232	419	EMC took over operation and maintenance of system						-	-	-	-	-	-	
01/14/05	56,307.2	1,501,395	82	Carbon change						-	-	-	-	-	-	
01/19/05	56,307.2	1,501,395	-	Restarted after carbon change						-	-	-	-	-	-	
01/27/05	57,610.1	1,502,698	163	<15	<0.14	1.1	<0.18	<0.45	-	4,850	189	205	255	1,450	966	

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
02/03/05	63,253.1	1,508,341	806	-	-	-	-	-	-	-	-	-	-	-	-
02/11/05	65,739.0	1,510,827	311	-	-	-	-	-	-	-	-	-	-	-	-
02/18/05	67,326.3	1,512,414	227	-	-	-	-	-	-	-	-	-	-	-	-
02/24/05	67,392.1	1,512,480	11	-	-	-	-	-	-	-	-	-	-	-	-
03/09/05	67,984.2	1,513,072	46	-	-	-	-	-	-	-	-	-	-	-	-
03/17/05	69,219.3	1,514,307	154	-	-	-	-	-	-	-	-	-	-	-	-
03/23/05	70,454.2	1,515,542	206	-	-	-	-	-	-	-	-	-	-	-	-
03/30/05	71,783.1	1,516,871	190	-	-	-	-	-	-	-	-	-	-	-	-
04/06/05	75,721.2	1,520,809	563	<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	System was turned off for QWS						-	-	-	-	-	-
04/21/05	79,885.1	1,524,973	22	Restarted system						-	-	-	-	-	-
04/27/05	80,674.2	1,525,762	132	-	-	-	-	-	-	-	-	-	-	-	-
05/12/05	83,901.3	1,528,989	215	-	-	-	-	-	-	-	-	-	-	-	-
05/20/05	84,601.7	1,529,690	88	-	-	-	-	-	-	-	-	-	-	-	-
05/27/05	86,432.1	1,531,520	261	-	-	-	-	-	-	-	-	-	-	-	-
06/02/05	87,654.3	1,532,742	204	-	-	-	-	-	-	-	-	-	-	-	-
06/09/05	87,981.1	1,533,069	47	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	88,340.0	1,533,428	51	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	0.0	1,533,428	-	Changed battery for flow meter (reset to 0.0 gallons)						-	-	-	-	-	-
06/23/05	2,914.2	1,536,342	416	-	-	-	-	-	-	-	-	-	-	-	-
06/28/05	4,751.3	1,538,179	367	-	-	-	-	-	-	-	-	-	-	-	-
07/07/05	7,125.7	1,540,554	264	<2.9	<0.17	<0.22	<0.14	<0.38	-	7,530	301	71 J	132	800	2,580
07/12/05	8,534.3	1,541,962	282	-	-	-	-	-	-	-	-	-	-	-	-
07/19/05	9,145.3	1,542,573	87	-	-	-	-	-	-	-	-	-	-	-	-
07/26/05	10,570.5	1,543,999	204	System was turned off for QWS and carbon change						-	-	-	-	-	-
08/03/05	10,572.1	1,544,000	0	Restarted system						-	-	-	-	-	-
08/09/05	10,827.1	1,544,255	43	-	-	-	-	-	-	-	-	-	-	-	-
08/19/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
08/19/05	11,219.6	1,544,648	39	-	<0.10	<0.15	<0.06	<0.40	-	Split-sample results during EBMUD inspection & sampling					
08/23/05	11,311.2	1,544,739	23	-	-	-	-	-	-	-	-	-	-	-	-
09/07/05	11,713.1	1,545,141	27	-	-	-	-	-	-	-	-	-	-	-	-
09/13/05	11,816.3	1,545,244	17	-	-	-	-	-	-	-	-	-	-	-	-
09/20/05	11,930.2	1,545,358	16	-	-	-	-	-	-	-	-	-	-	-	-
09/26/05	12,241.6	1,545,670	52	-	-	-	-	-	-	-	-	-	-	-	-
10/04/05	12,314.2	1,545,742	9	<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	-	-	-	-	-	-	-	-	-	-	-	-
10/17/05	12,781.3	1,546,209	34	System was turned off for QWS						-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
10/21/05	12,796.1	1,546,224	4	Restarted system						-	-	-	-	-	-
11/01/05	13,383.2	1,546,811	53	-	-	-	-	-	-	-	-	-	-	-	-
11/08/05	13,399.2	1,546,827	2	-	<0.10	<0.15	<0.06	<0.40	-	Split-sample results during EBMUD inspection & sampling					
11/16/05	13,807.4	1,547,235	51	-	-	-	-	-	-	-	-	-	-	-	-
11/23/05	0.0	1,547,235	-	Changed battery for flow meter (reset to 0.0 gallons)						-	-	-	-	-	-
11/29/05	717.2	1,547,953	120	-	-	-	-	-	-	-	-	-	-	-	-
12/07/05	1,038.1	1,548,274	40	-	-	-	-	-	-	-	-	-	-	-	-
12/14/05	1,669.4	1,548,905	90	-	-	-	-	-	-	-	-	-	-	-	-
12/20/05	1,874.3	1,549,110	34	-	-	-	-	-	-	-	-	-	-	-	-
12/28/05	2,022.1	1,549,258	18	-	-	-	-	-	-	-	-	-	-	-	-
01/04/06	4,413.3	1,551,649	342	-	-	-	-	-	-	-	-	-	-	-	-
01/10/06	5,614.3	1,552,850	200	<2.9	<0.32	<0.1	<0.24	<0.3	<0.63	12,000	16	51	2.3 J	1,300	338
01/18/06	6,414.4	1,553,650	100	-	-	-	-	-	-	-	-	-	-	-	-
01/20/06	6,728.3	1,553,964	157	System was turned off for QWS and carbon change						-	-	-	-	-	-
01/27/06	6,731.2	1,553,967	0	Restarted system						-	-	-	-	-	-
01/31/06	6,842.3	1,554,078	28	-	-	-	-	-	-	-	-	-	-	-	-
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
02/01/06	6,903.0	1,554,138	61	-	<0.17	<0.22	<0.14	<0.38	-	Split-sample results during EBMUD inspection & sampling					
02/01/06	0.0	1,554,138	-	Changed battery for flow meter (reset to 0.0 gallons)						-	-	-	-	-	-
02/07/06	308	1,554,447	51	-	-	-	-	-	-	-	-	-	-	-	-
02/21/06	978	1,555,116	48	-	-	-	-	-	-	-	-	-	-	-	-
02/24/06	1,268	1,555,406	97	-	-	-	-	-	-	-	-	-	-	-	-
02/24/06	10	1,555,406	-	Replaced flow meter with nonresettable analog type, start with 10						-	-	-	-	-	-
02/28/06	978	1,556,374	242	-	-	-	-	-	-	-	-	-	-	-	-
03/07/06	3,254	1,558,650	325	-	-	-	-	-	-	-	-	-	-	-	-
03/14/06	4,672	1,560,068	203	-	-	-	-	-	-	-	-	-	-	-	-
03/21/06	6,793	1,562,189	303	-	-	-	-	-	-	-	-	-	-	-	-
03/28/06	8,214	1,563,610	203	-	-	-	-	-	-	-	-	-	-	-	-
04/04/06	12,513	1,567,909	614	<5.6	<0.32	<0.1	<0.24	<0.3	-	2,580	15	5.0	<0.24	193	341
04/11/06	15,720	1,571,116	458	-	-	-	-	-	-	-	-	-	-	-	-
04/18/06	21,010	1,576,406	756	System was turned off for QWS						-	-	-	-	-	-
04/21/06	21,030	1,576,426	7	Restarted system						-	-	-	-	-	-
04/25/06	22,410	1,577,806	345	-	-	-	-	-	-	-	-	-	-	-	-
04/26/06	23,010	1,578,406	600	Turned off system for carbon change						-	-	-	-	-	-
05/02/06	23,030	1,578,426	3	Restarted after carbon change						-	-	-	-	-	-
05/09/06	27,710	1,583,106	669	-	-	-	-	-	-	-	-	-	-	-	-
05/17/06	28,900	1,584,296	149	-	-	-	-	-	-	-	-	-	-	-	-
05/23/06	31,430	1,586,826	422	<5.6	<0.32	<0.1	<0.24	<0.3	<0.63	1,020,000	3,330	111,000	7,440	38,400	<630

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)						INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
05/31/06	37,710	1,593,106	785	-	-	-	-	-	-	-	-	-	-	-	-
06/09/06	39,890	1,595,286	242	-	-	-	-	-	-	71,000	520	16,300	820	6,840	-
06/13/06	40,460	1,595,856	143	-	-	-	-	-	-	-	-	-	-	-	-
06/21/06	41,240	1,596,636	98	-	-	-	-	-	-	-	-	-	-	-	-
06/27/06	42,360	1,597,756	187	-	-	-	-	-	-	-	-	-	-	-	-

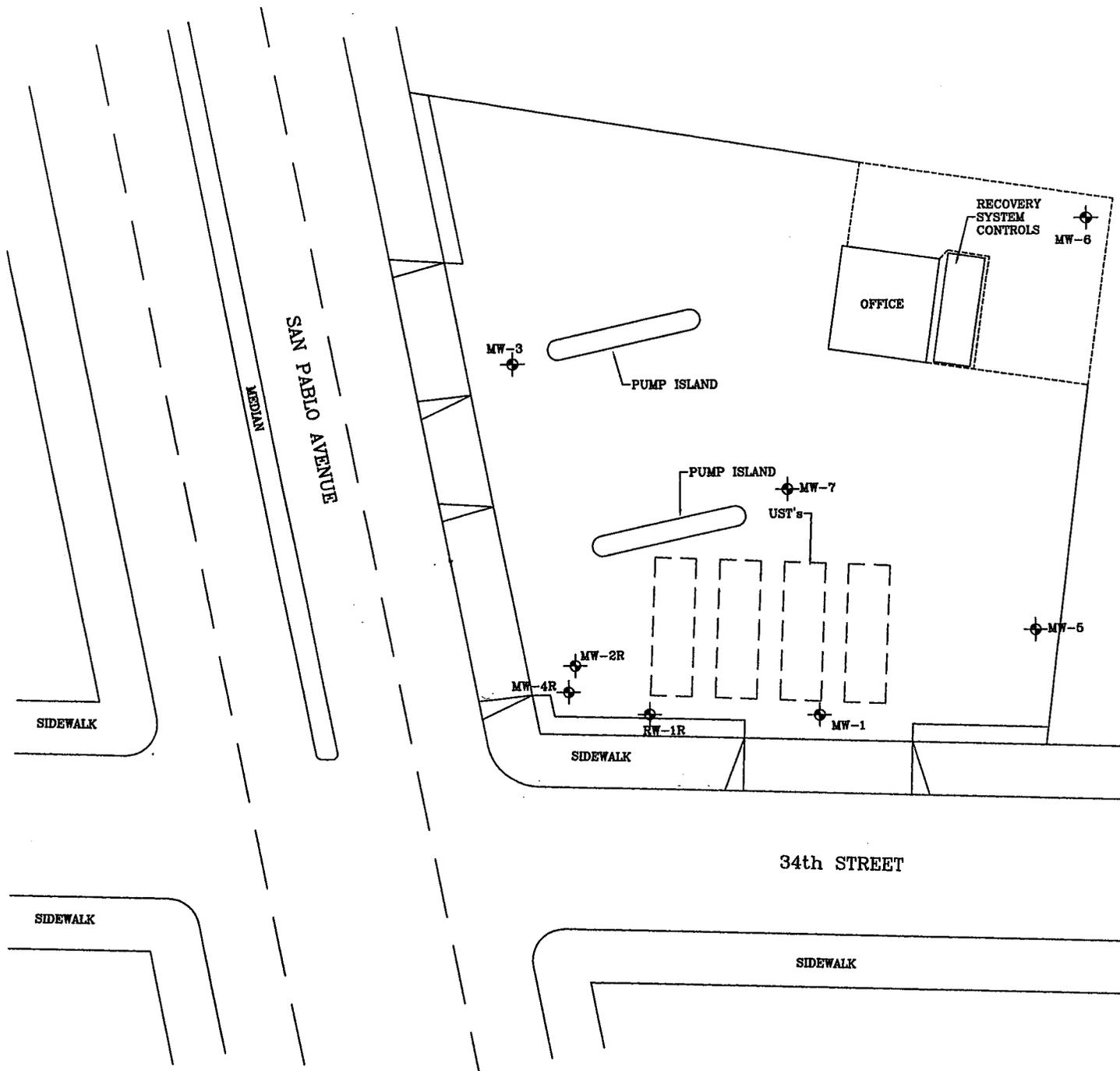
<b>WD PERMIT LIMITS:</b>	NE	5.0	5.0	5.0	5.0	NE
--------------------------	----	-----	-----	-----	-----	----

**Note:** < = less than laboratory detection level indicated  
 - = no sample / not analyzed  
 NE = Permit Limit not established

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

Total Hydrocarbons Removed = From 4/8/91 to 2/10/92, the influent TPHg 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

# ***FIGURES***



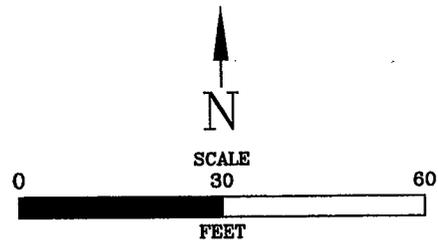
**LEGEND**

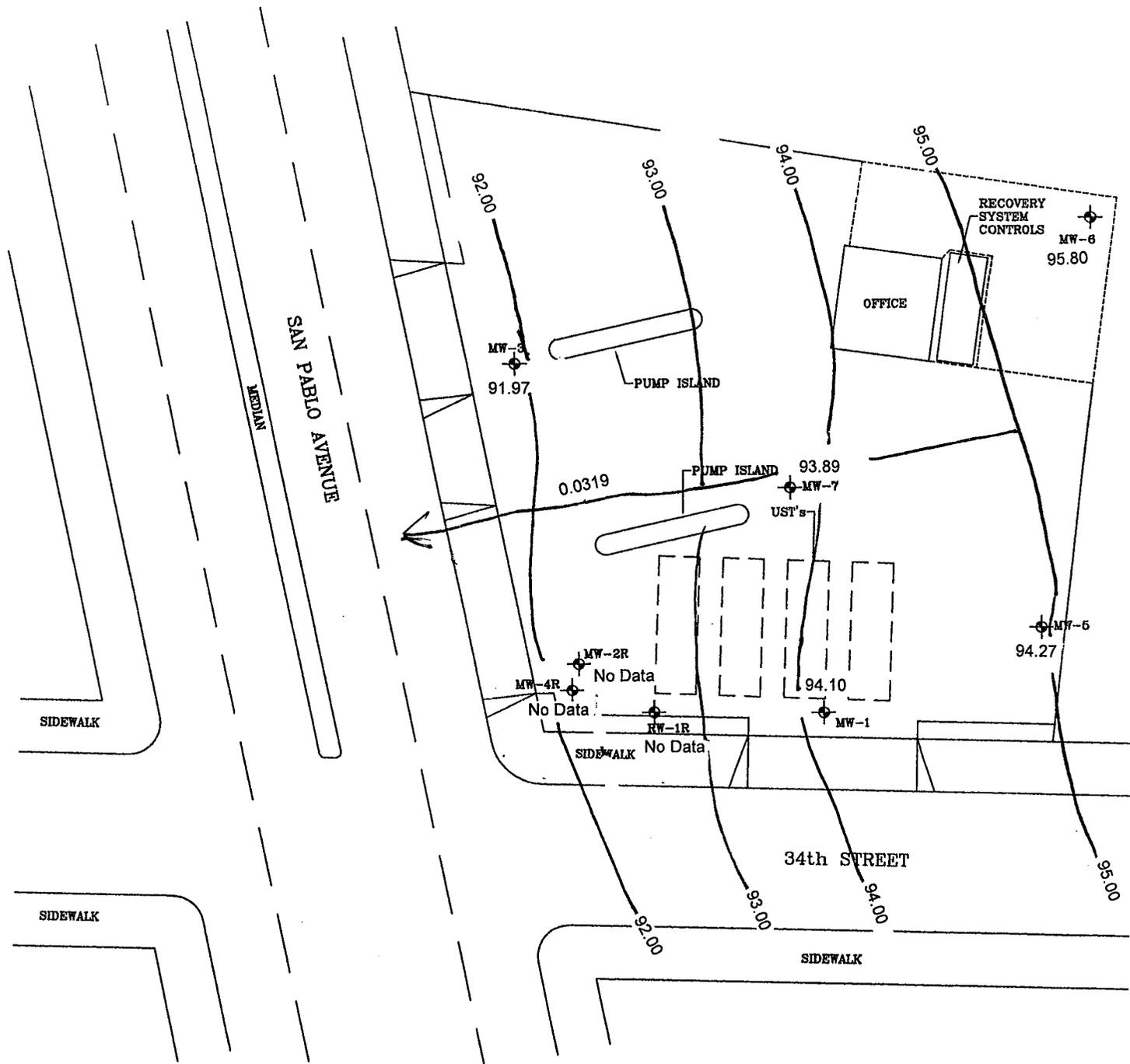
- MW-4R RECOVERY WELL LOCATION
- MW-1 MONITORING WELL LOCATION
- SB-1 SOIL BORING LOCATION

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

FIGURE:

1





**LEGEND**

MW-4R RECOVERY WELL LOCATION

MW-1 MONITORING WELL LOCATION

Data Collected 4/19/2006

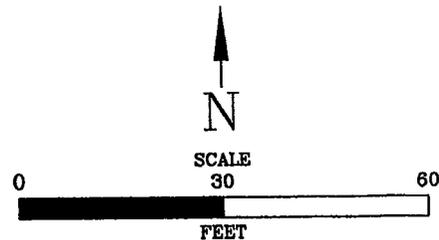
Datum is Mean Sea Level

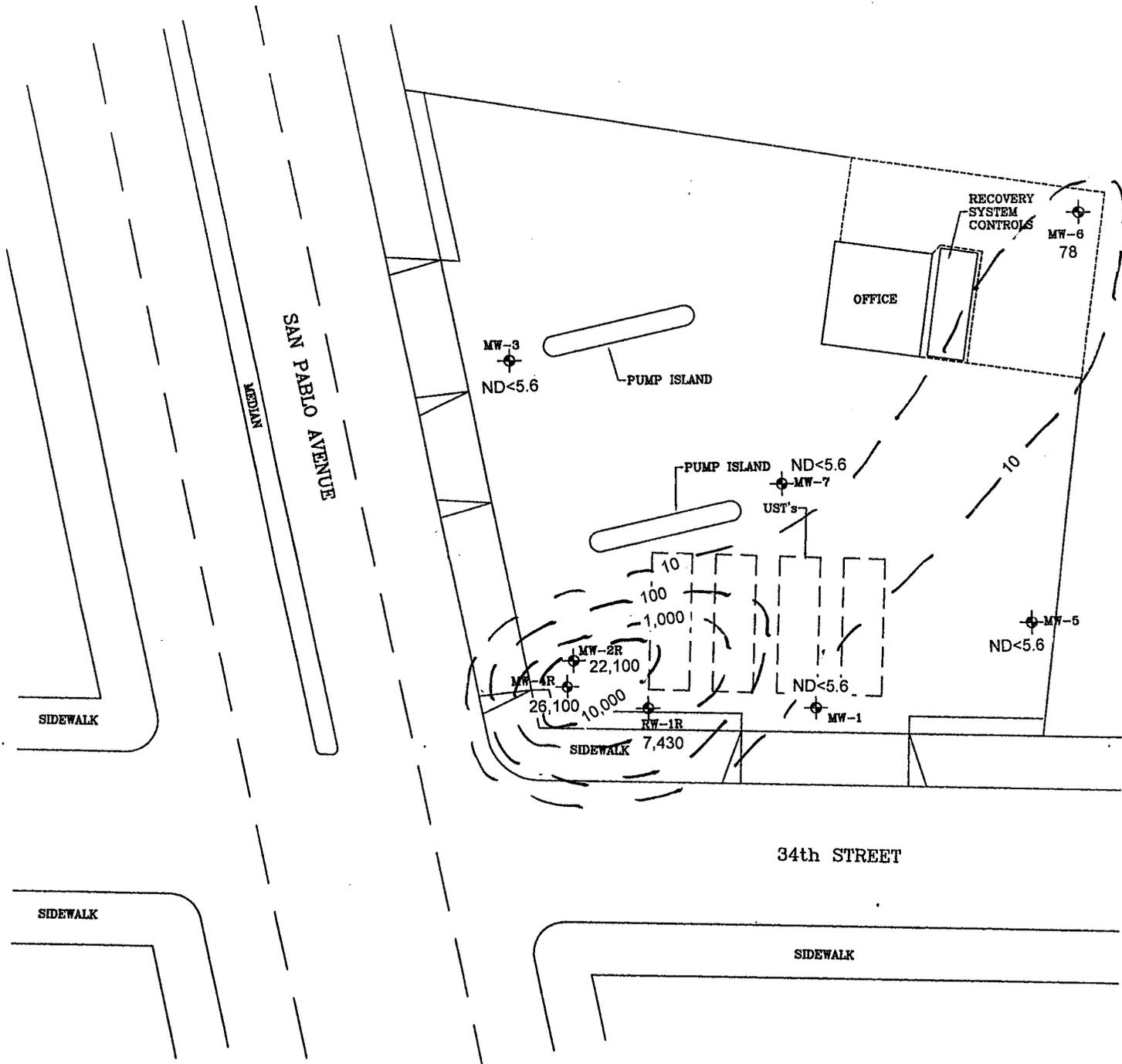
**GROUNDWATER CONTOURS**

THRIFTY OIL #049  
 3400 SAN PABLO AVE  
 OAKLAND, CALIFORNIA

FIGURE:

2





**LEGEND**

MW-4R RECOVERY WELL LOCATION

MW-1 MONITORING WELL LOCATION

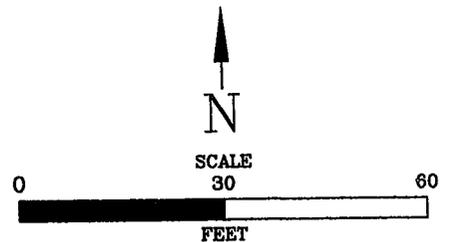
Samples Collected 4/19/2006

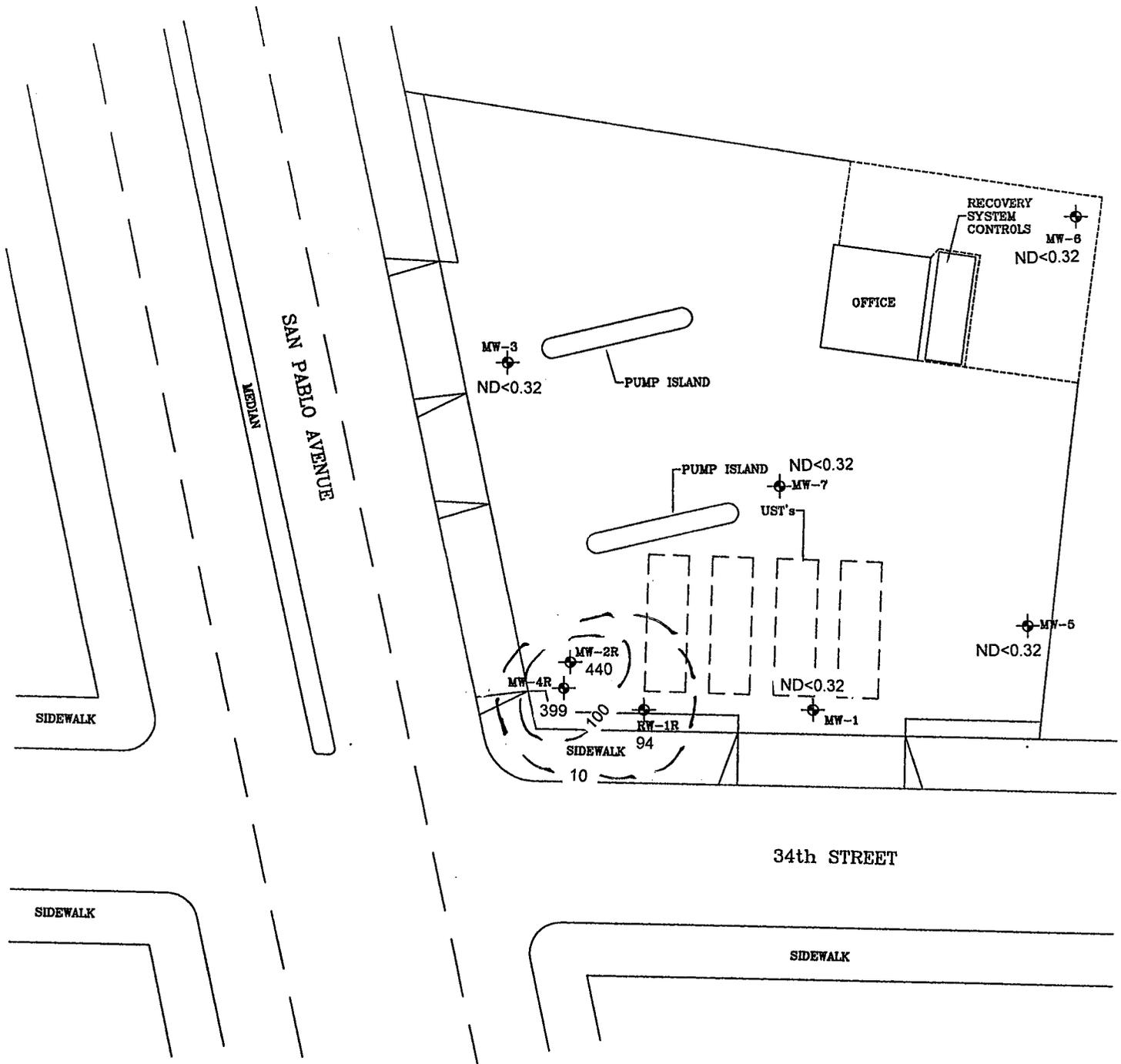
Results in ug/L

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

FIGURE:

3





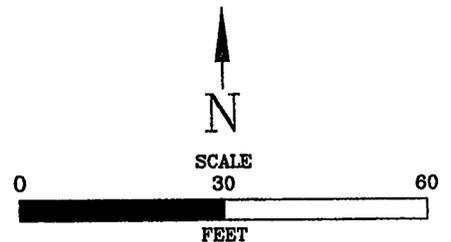
**LEGEND**

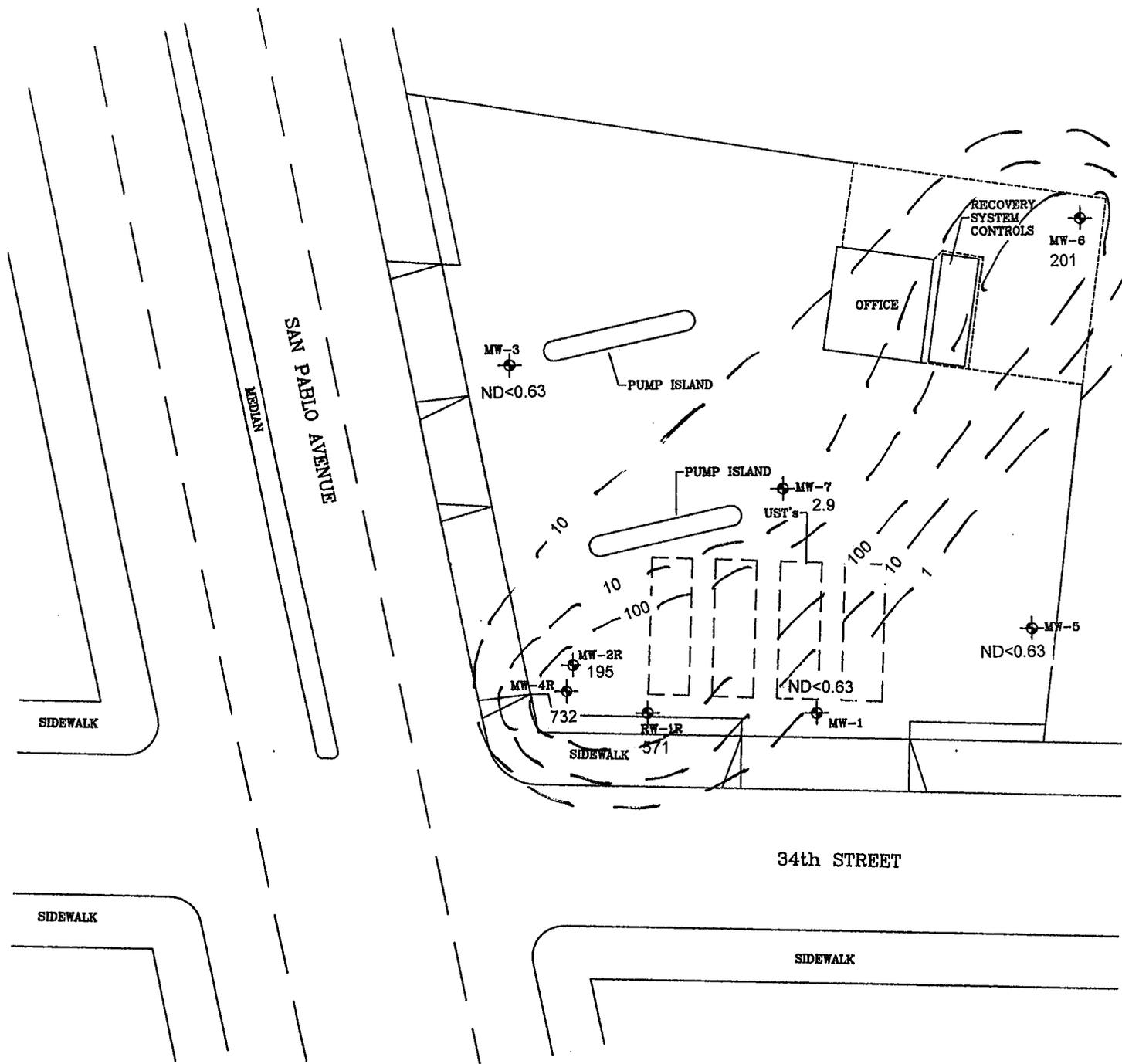
- MW-4R  RECOVERY WELL LOCATION
- MW-1  MONITORING WELL LOCATION
- Samples Collected 4/19/2006
- Results in ug/L

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

FIGURE:

4





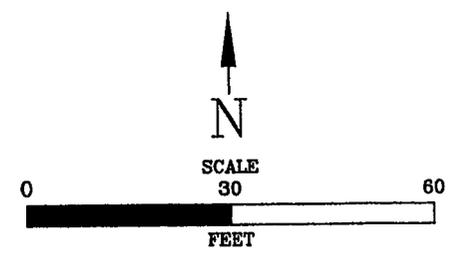
**LEGEND**

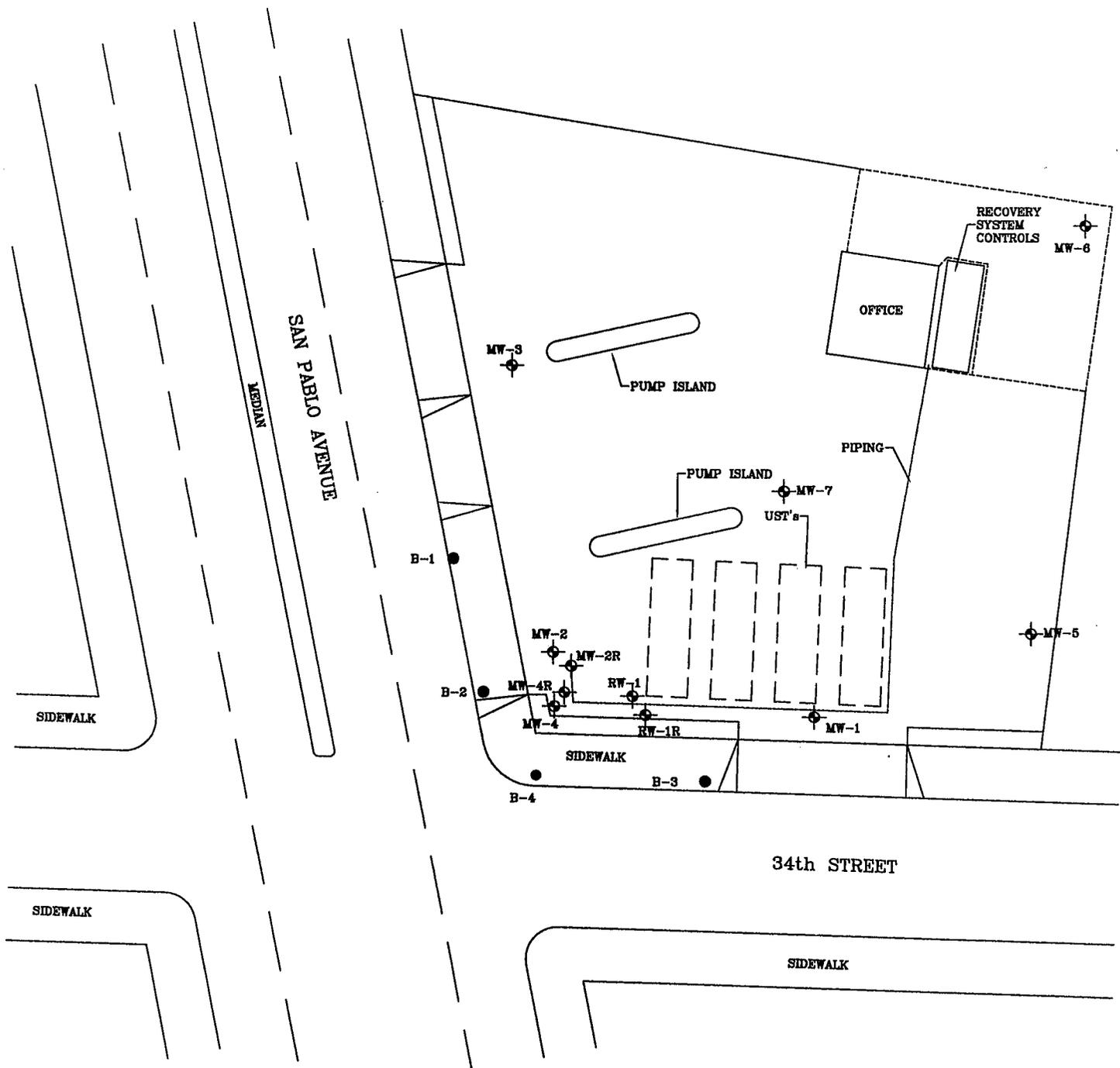
MW-4R RECOVERY WELL LOCATION  
 MW-1 MONITORING WELL LOCATION  
 Samples Collected 4/19/2006  
 Results in ug/L

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

FIGURE:

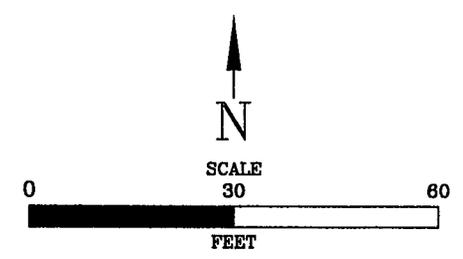
5





**LEGEND**

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



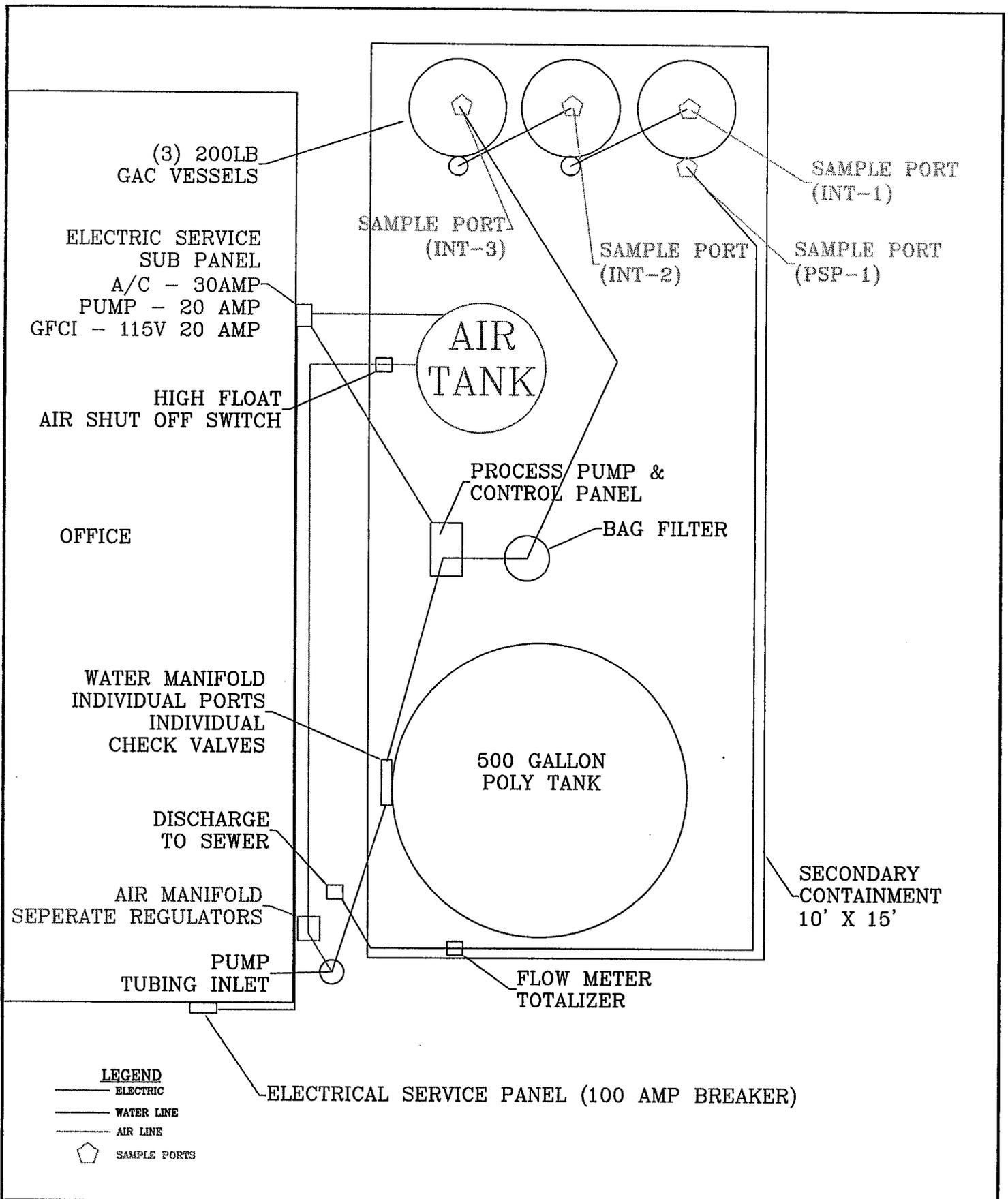
**REMEDIATION SYSTEM LAYOUT**

Thrifty Oil #49  
 3400 San Pablo Avenue  
 Oakland, California



*Advanced*  
**GeoEnvironmental, Inc.**

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

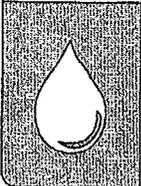
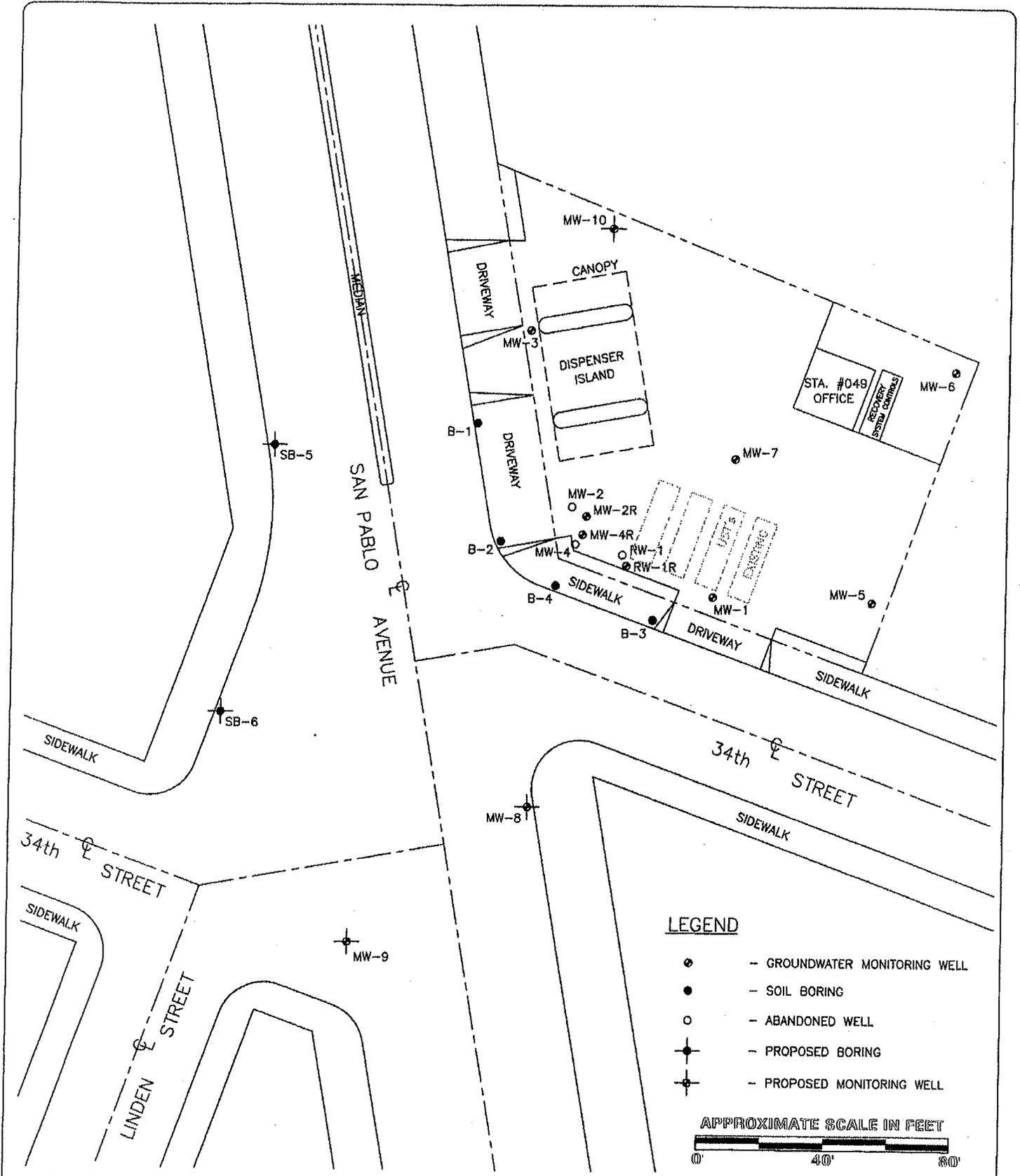


**TREATMENT COMPOUND LAYOUT**  
**THRIFTY OIL STATION #049**  
**3400 SAN PABLO AVENUE**  
**OAKLAND, CALIFORNIA**

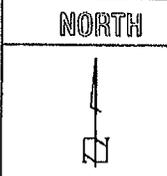


*Advanced*  
**GeoEnvironmental, Inc.**

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



**GEOHYDROLOGIC CONSULTANTS, INC.**  
 3151 Airway Avenue, Bldg. H1  
 Costa Mesa, CA 92626  
 www.geohydrologic.com



**PROPOSED BORING/WELL LOCATIONS  
 FORMER THRIFTY STATION #049  
 3400 San Pablo Avenue  
 Oakland, CA**

Figure 8

# ***APPENDIX A***



## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	04-19-06
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)	3.93	Est. Purge Volume:	9

<b>Sampling Data:</b>							
Initial Turbidity:				Final Turbidity:			
Time	9:00	9:03	9:09	9:12	9:15		
EC	1470	1460	1480	1510	1510		
pH	5.97	5.93	5.82	5.87	5.91		
Temp	71.3	71.4	71.5	71.7	71.6		
Gal.	1	3	5	7	9		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	7.16	Total Well Depth(ft.)	17.72

## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: # 049	Date: 04-19-06
Address:	
Personnel: SERBATA,	Weather: SUNNY DAY
Well No: MW-6	Equip: BAILER

Before Purging:			
Total Well Depth: (ft.)	13.06	Well Diameter	2 1/2
Depth to Water (ft)	3.87	Est. Purge Volume:	6

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	8:52	8:54	8:56	8:58	9:00		
EC	1640	1610	1590	1570	1570		
pH	5.70	5.74	5.71	5.73	5.71		
Temp	71.4	71.3	71.1	70.8	70.7		
Gal.	1	2	3	4	6		
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.18	Total Well Depth (ft.)	13.06

## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 044	Date:	04-19-06
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)	5.72	Est. Purge Volume:	12

<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	6.11	6.09	6.21	6.21	6.19		
Temp	21.2	21.4	21.5	21.7	21.6		
Gal.	2	4	7	9	12		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	10.04	Total Well Depth(ft).	24.13

## FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	04-19-06
Address:			
Personnel:	JERBAH	Weather:	SUNNY DAY
Well No:	MW-4R	Equip:	BAPUER

<b>Before Purging:</b>			
Total Well Depth: (ft.)	19.63	Well Diameter	4"
Depth to Water (ft)	4.72	Est. Purge Volume:	39

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	12:04	12:13	12:22	12:31	12:40		
EC	1620	1630	1620	1610	1610		
pH	6.11	6.21	6.18	6.19	6.21		
Temp	71.4	71.6	71.6	71.5	71.6		
Gal.	7	15	23	31	39		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	8.11	Total Well Depth(ft.)	19.63

## FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	<u>14 OH</u>	Date:	<u>04-19-06</u>
Address:			
Personnel:	<u>SERBAT</u>	Weather:	<u>SUNNY DAY</u>
Well No:	<u>MW-5</u>	Equip:	<u>BAILER</u>

<b>Before Purging:</b>			
Total Well Depth: (ft.)	<u>13.77</u>	Well Diameter	<u>24</u>
Depth to Water (ft)	<u>4.58</u>	Est. Purge Volume:	<u>6</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	10:08	10:11	10:14	10:17	10:20		
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>21.3</u>	<u>21.4</u>	<u>21.6</u>	<u>21.6</u>	<u>21.4</u>		
Gal.	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>6</u>		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	<u>8.21</u>	Total Well Depth(ft.)	<u>13.77</u>

# FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 049	Date:	04-19-06
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)	5.13	Est. Purge Volume:	22

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	9:26	9:32	9:38	9:44	9:50		
EC	1690	1670	1640	1630	1640		
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	13	17	22		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	8.21	Total Well Depth(ft).	13.54

## FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	<u>rd 049</u>	Date:	<u>04-14-06</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>3.38</u>	Est. Purge Volume:	<u>35</u>

<b>Sampling Data:</b>							
<b>Initial Turbidity:</b>				<b>Final Turbidity:</b>			
Time	<u>10:28</u>	<u>10:36</u>	<u>10:44</u>	<u>10:52</u>	<u>11:00</u>		
EC	<u>1470</u>	<u>1460</u>	<u>1470</u>	<u>1480</u>	<u>1470</u>		
pH	<u>6.09</u>	<u>6.11</u>	<u>6.03</u>	<u>6.04</u>	<u>6.03</u>		
Temp	<u>71.4</u>	<u>71.2</u>	<u>71.5</u>	<u>71.6</u>	<u>71.7</u>		
Gal.	<u>7</u>	<u>14</u>	<u>21</u>	<u>28</u>	<u>35</u>		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	<u>7.13</u>	Total Well Depth(ft.)	<u>16.76</u>

# FIELD DATA - GROUNDWATER SAMPLING PROGRAM

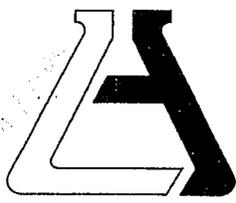
Site:	HL 049	Date:	04-19-06
Address:			
Personnel:	SERBAH	Weather:	SUNNY DAY
Well No:	RW-1R	Equip:	BAPUR

<b>Before Purging:</b>			
Total Well Depth: (ft.)	19.08	Well Diameter	44
Depth to Water (ft)	4.94	Est. Purge Volume:	37

<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	5.83	5.96	6.03	5.96	5.96		
Temp	71.4	71.3	71.5	71.4	71.6		
Gal.	7	14	22	29	37		
Time							
EC							
pH							
Temp							
Gal.							

<b>After Purging/Before Sample Collection</b>			
Depth to Water (ft.)	9.03	Total Well Depth(ft.)	19.08

## ***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 168455

REPORTED 05/02/2006

RECEIVED 04/21/2006

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>
704607	TOC #049 MW-6
704608	TOC #049 MW-1
704609	TOC #049 MW-7
704610	TOC #049 MW-3
704611	TOC #049 MW-5
704612	TOC #049 MW-2R
704613	TOC #049 RW-1R
704614	TOC #049 MW-4R
704615	TOC #049 Trip Blank
704616	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 #: 704607

Client Sample ID: TOC #049 MW-6

Matrix: WATER

Date Sampled: 04/19/2006 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	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	201	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	13	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	107				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	119				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	99				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	78	1	50	5.6	ug/L	04/25/06 SU
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	89				%	55 - 200

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



Order #: 704608

Client Sample ID: TOC #049 MW-1

Matrix: WATER

Date Sampled: 04/19/2006 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	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	106			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	96			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	71			%	55 - 200	

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



Order #: 704609

Client Sample ID: TOC #049 MW-7

Matrix: WATER

Date Sampled: 04/19/2006 Time Sampled: 13:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	2.9	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	106			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	120			%	70 - 130	
Surr3 - Toluene-d8	96			%	70 - 130	
Surr4 - p-Bromofluorobenzene	98			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	89			%	55 - 200	

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



Order #: 704610

Client Sample ID: TOC #049 MW-3

Matrix: WATER

Date Sampled: 04/19/2006 Time Sampled: 13:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	107			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	118			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	101			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
<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 #: 704611

Client Sample ID: TOC #049 MW-5

Matrix: WATER

Date Sampled: 04/19/2006 Time Sampled: 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	112				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	101				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	72				%	55 - 200

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



Order #: 704612

Client Sample ID: TOC #049 MW-2R

Matrix: WATER

Date Sampled: 04/19/2006 Time Sampled: 13:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	440	20	20.0	0.32	ug/L	04/28/06 LZ
Ethyl benzene	234	20	100.0	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	20	20.0	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	20	20.0	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	195	20	20.0	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	20	20.0	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	20	200.0	10	ug/L	04/28/06 LZ
Toluene	4240	20	100.0	0.10	ug/L	04/28/06 LZ
Xylenes, total	1530	20	100.0	0.3	ug/L	04/28/06 LZ
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	110				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	96				%	70 - 130
Surr4 - p-Bromofluorobenzene	105				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	22100	20	1000.0	5.6	ug/L	04/26/06 SU
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	175				%	55 - 200

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



Order #: 704613  
 Matrix: WATER

Client Sample ID: TOC #049 RW-1R  
 Date Sampled: 04/19/2006 Time Sampled: 14:00

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	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN

**8260B BTEX/MTBE Only**

Benzene	94	10	10.0	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	10	50.0	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	571	10	10.0	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	11	10	10.0	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	206	10	100.0	10	ug/L	04/28/06 LZ
Toluene	411	10	50.0	0.10	ug/L	04/28/06 LZ
Xylenes, total	1820	10	50.0	0.3	ug/L	04/28/06 LZ

**Surrogates**

	Units	Control Limits
Surr1 - Dibromofluoromethane	104	%
Surr2 - 1,2-Dichloroethane-d4	111	%
Surr3 - Toluene-d8	96	%
Surr4 - p-Bromofluorobenzene	98	%

**8015B - Gasoline**

Gasoline	7430	10	500.0	5.6	ug/L	04/26/06 SU
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**Surrogates**

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

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



Order #: 704614  
Matrix: WATER

Client Sample ID: TOC #049 MW-4R  
Date Sampled: 04/19/2006 Time Sampled: 14:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN

**8260B BTEX/MTBE Only**

Benzene	399	10	10.0	0.32	ug/L	04/28/06 LZ
Ethyl benzene	254	10	50.0	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	732	10	10.0	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	36	10	10.0	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	231	10	100.0	10	ug/L	04/28/06 LZ
Toluene	1290	10	50.0	0.10	ug/L	04/28/06 LZ
Xylenes, total	3350	10	50.0	0.3	ug/L	04/28/06 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	105			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	110			%	70 - 130
Surr3 - Toluene-d8	94			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

**8015B - Gasoline**

Gasoline	26100	10	500.0	5.6	ug/L	04/25/06 SU
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**Surrogates**

				Units	Control Limits
a,a,a-Triifluorotoluene	130			%	55 - 200

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



Order #: 704615

Client Sample ID: TOC #049 Trip Blank

Matrix: WATER

Date Sampled: 04/19/2006 Time Sampled: 00:00

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

Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ

**Surrogates**

					Units	Control Limits
Surr1 - Dibromofluoromethane	103				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	105				%	70 - 130

**8015B - Gasoline**

Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
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**Surrogates**

					Units	Control Limits
a,a,a-Trifluorotoluene	84				%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 704616

Client Sample ID: Laboratory Method Blank

Matrix: WATER

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	04/25/06 QN
Methanol	ND	1	50	20	mg/L	04/25/06 QN

**8260B BTEX/MTBE Only**

Benzene	ND	1	1	0.32	ug/L	04/28/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/28/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/28/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/28/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/28/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/28/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/28/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/28/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/28/06 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	108			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	117			%	70 - 130
Surr3 - Toluene-d8	98			%	70 - 130
Surr4 - p-Bromofluorobenzene	102			%	70 - 130

**8015B - Gasoline**

Gasoline	ND	1	50	5.6	ug/L	04/25/06 SU
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**Surrogates**

				Units	Control Limits
a,a,a-Trifluorotoluene	88			%	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: G15-LCS&LCSD  
 Matrix: WATER  
 Prep. Date: April 24, 2006  
 Analysis Date 04/24/06-04/25/06  
 ID#'s in Batch: LR 168455, 168530, 168423

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	554	579	111	116	4

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	102
LCS	119
LCSD	142

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

ASSOCIATED LABORATORIES  
LCS REPORT FORM

QC Sample: LCS / LCSD  
 Matrix: WATER  
 Prep. Date: 04/25/06  
 Analysis Date: 04/25/06  
 ID#'s in Batch: LR 168455; LR 168559

**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	100.1	114.6	100	115	14
Ethanol	D285	ND	100	113.9	115.9	114	116	2

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

<p><i>% REC LIMITS = 70 - 130</i>  <i>RPD LIMITS = 25</i></p>
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**Method Blank - All ND**

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD  
 Matrix: WATER  
 Prep. Date: April 25, 2006  
 Analysis Date 04/25/06-04/26/06  
 ID#'s in Batch: LR 168455, 168484, 168614, 168560

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	483	448	97	90	8

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	88
LCS	108
LCSD	113

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

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

Sample ID: MS/MSD Water Samples 168455-607  
 Date Prep: April 27, 2006  
 Date Analyzed: April 28, 2006 4:43 PM  
 Sample Matrix: Water  
 Units: µg/L

Applies to LR: 168530, 168455, 168459

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	46.00	44.70	92	89	3	22	59-172
MTBE	201.00	50.0	239.60	239.60	NC	NC	0	24	62-137
Benzene	0.00	50.0	48.70	45.80	97	92	6	24	62-137
Trichloroethene	0.00	50.0	44.30	46.40	89	93	5	21	66-142
Toluene	0.00	50.0	51.10	48.20	102	96	6	21	59-139
Chlorobenzene	0.00	50.0	42.00	43.10	84	86	3	21	60-133

Sample ID: LCS/LCSD

Compound	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	50.0	44.40	43.70	89	87	2	22	59-172
MTBE	50.0	42.10	44.70	84	89	6	24	62-137
Benzene	50.0	46.60	43.30	93	87	7	24	62-137
Trichloroethene	50.0	48.20	48.80	96	98	1	21	66-142
Toluene	50.0	49.00	44.60	98	89	9	21	59-139
Chlorobenzene	50.0	45.00	41.60	90	83	8	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB1	MB2	MS	MSD	LCS	LCSD	Limits % Rec
Dibromofluoromethane	108	109	108	99	98	108	70-135
1,2-Dichloroethane-d4	117	117	112	107	105	111	70-135
Toluene-d8	98	99	100	94	98	98	70-135
p-Bromofluorobenzene	102	101	100	102	101	99	70-135



**Chain of Custody Record**

168455 ✓

Company: <b>TARIPPY OIL CO.</b>	Phone: <b>(562) 921-3581</b>	A.L. Job No.	Page <b>1</b> of <b>1</b>
Project Manager: <b>JERRI SORIANO-SOMA</b>	Fax: <b>(562) 921-7510</b>	Analysis Requested	
Project Name: <b>Q. W. S.</b>	Project #: <b>049</b>	Test Instructions & Comments	
Site Name and Address: <b>3400 SAN PABLO AVE OAKLAND, CA. 94612</b>	TO600101365		

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH (8015M)	BTEX (8260B)	OXYGENATES									
1 MW-3		04-19-06	12:50	H <sub>2</sub> O	3-V014	HCL	X	X	X									ANALYSIS REQUIRED
2 MW-1			13:00				X	X	X									FOR COMPOUNDS USED
3 MW-7			13:05				X	X	X									IN CA. GASOLINE BY
4 MW-3			13:15				X	X	X									EPA METHOD - 8260B
5 MW-5			13:20				X	X	X									1-METHANOL
6 MW-2R			13:30				X	X	X									2-ETHANOL
7 RW-1R			14:00				X	X	X									3-TERTIARY BUTANOL
8 MW-4R			14:40		2 VOLS 2 Broken		X	X	X									4-MTBE
9 TRIP BLANK			00:00		2-V0A	HCL	X	X										5-DIPE
10																		6-ETBE
11																		7-TAME
12																		
13																		
14																		
15																		

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by Sampler: <b>E.M.C</b> 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers: <b>25</b>	Property Cooled <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Signature: <i>[Signature]</i>		Signature:	Signature:	Signature:
Custody Seals <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Samples Intact <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA	Printed Name: <b>SERRA P.</b>		Printed Name:	Printed Name:	Printed Name:
Received in Good Condition <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Samples Accepted <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Date: <b>04.19.06</b> Time: <b>16:00</b>	Date:	Time:	Date:	Time:
<b>Turn Around Time</b>				Received By: <b>G.S.O.</b> 1.	Received By: <i>[Signature]</i> 2.	Received By: 3.
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	Signature:	Signature:
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name:	Printed Name:
				Date:	Date: <b>4/20/06</b> Time: <b>12:00</b>	Date:

2-4-2406 10:35

# ***APPENDIX C***

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 06.27.06.

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHANGE OIL  
CHECK BELT, CHECK WATER FILTER, DRINK  
WATER FROM FILTER/REGULATOR, CLEAN IN SITE  
COMPOUND,

FLOW METER READING: 0042360

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: 2.1

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

INSPECTOR'S SIGNATURE: *Serbata*

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBATH D.

DATE OF INSPECTION: 06-21-06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, ADD OIL,

CHECK BELT, DRAIN WATER FROM FILTER INSIDE

FILTER/REGULATOR, ADJUST FILTER/REGULATOR,

CHECK TRAP PUMP, CLEAN INSIDE AND OUTSIDE

COMPOUND.

FLOW METER READING: 0041240

SAMPLES OBTAINED: HM

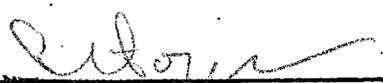
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

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: 2.1

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: SERBAN P.

DATE OF INSPECTION: 06-13-06

OBSERVATIONS AND  
COMMENTS: DRAIN COMPRESSOR TANK, ADD OIL, CHECK  
BELT, HOSES, CLEAN WATER BAG FILTER, CHECK  
AIR FILTER FROM COMPRESSOR, CHECK PIPE, HOSES  
FOR CRACK AND WEAR, CLEAN INSIDE AND OUTSIDE  
COMPOUND,

FLOW METER READING: 0040460

SAMPLES OBTAINED: N/A

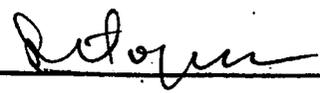
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 1.0

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

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

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: 

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 06.09.06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, ADD OIL  
CHECK WATER FILTER, CHECK TRANSFER PUMP  
CHECK ALL (3) PRESSURE/REGULATOR, DRAIN  
WATER FROM FILTERS, PICKUP GARBAGE  
FROM INSIDE COMPOUND,

FLOW METER READING: 0039.890 -

SAMPLES OBTAINED: INLET, INT. 2

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: 2.0

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: 05-31-06

OBSERVATIONS AND

COMMENTS: DRAIN COMPRESSOR TANK, CHANGE OIL, CHECK  
BELT, CLEAN WATER FILTER BAG, CHECK PUMP IN MW2R  
CHECK TRANSFER PUMP, CLEAN INSIDE COMPOUND,  
DRAIN WATER FROM PRESSURE/REGULATOR FILTER HOUSING,

FLOW METER READING: 0037.10-

SAMPLES OBTAINED: N/A

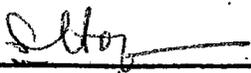
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

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: 2.0

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: 05-23-06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK BELT,  
OIL, HOSES AND DRUMS FOR LEAK, CHECK  
TRANSFER PUMP, CHECK WATER FILTER BAG,  
CHECK INHIBIT COMPOUND,

FLOW METER READING: 0031430

SAMPLES OBTAINED: \_\_\_\_\_

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: 2.8

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: SERBATH P.

DATE OF INSPECTION: 05.17.06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK PIPES AND HOSES FOR LEAKS, CHECK BELT, CLEAN INSIDE COMPOUND CHECK AND ADJUST PRESSURE/VACUATOR FOR PUMPS IN WELLS,

FLOW METER READING: - 0028900 -

SAMPLES OBTAINED: N/A

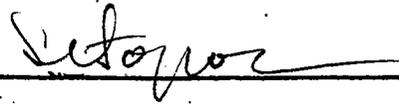
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

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

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.0

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: 

019

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 05.09.06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL, BELT,  
CHEMICAL TRANSFER PUMP, CHECK HOSES, DRUMS, PIPES FOR  
LEAK, CLEAN INSIDE COMPOUND, CHANGE WATER FILTER  
BAG,

FLOW METER READING: -0027710-

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: 2.0

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

INSPECTOR'S SIGNATURE: *Serban*



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

TOC # 049

ADDR:

3400 SAN PABLO AVE  
OAKLAND, 94612

DATE:

05.02.06

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	✓			0023030	RESTART AFTER CARBON CHANGE
FPR	FP Recovery					
O	Other:					

**UTILITIES:**

Electrical Meter: N/A

Nat. gas Meter: N/A

Propane Tank Level: N/A

**OTHER NOTES:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ALWAYS OBSERVE SAFETY PROCEDURES!**

THRIFTY OIL CO. SERVICE STATION W049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 04.28.06

OBSERVATIONS AND COMMENTS: FILL WITH CLEAN WATER 3 CARBON

DRUMS AND LEAVE THE UNIT TO SET FOR 24-48H  
FOR INTERNAL SURFACE CARBON TO BE COMPLETELY WETTED AND  
ANY POCKETS AIR WILL BE ELIMINATED AND PURE CARBON  
ABSORBER IS READY FOR OPERATION

FLOW METER READING: \_\_\_\_\_

SAMPLES OBTAINED: \_\_\_\_\_

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: \_\_\_\_\_

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

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: \_\_\_\_\_

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: \_\_\_\_\_

INSPECTOR'S SIGNATURE: *Serban P*

049

**MAINTENANCE & REPAIR REPORT**

A) **SS #:** U.S. FILTER SYSTEM TYPE:  
B) **DEFICIENCY DESCRIPTION :**  
CHANGE CARBON  
C) **NAME OF REPORTING PARTY AND DATE:** SERBATH P.  
D) **DATE SCHEDULED :** 04-28-06

1) <b>NAME:</b>	<b>DATE/TIME</b>
2) <b>FINDINGS:</b>	
3) <b>HAS THE JOB BEEN COMPLETED?</b> YES/NO IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:	
4) <b>POST REPAIR TEST RESULTS:</b>	
5) <b>THE CAUSE OF THE DEFICIENCY:</b>	
<b>BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:</b>	
6) <b>OTHER:</b>	

PICKUP FROM U.S. FILTER 3 CARBON WITH PURE CARBON FOR REPLACE AT #049 SYSTEM



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

TOC # 049  
3400 SAN PABLO AVE  
OAKLAND, CA  
04-26-06  
SERBAN,

ADDR:

DATE:

PERSON:

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		X		0023010	FOR CARBON REPLACEMENT
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 REPLACE CARBON

**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: 04-25-06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CLEAN WATER

FILTER BAG, CHANGE OIL, CHECK TRANSFER PUMP,

CHECK BELT, CLEAN INSIDE COMPONA,

FLOW METER READING: 0022410

SAMPLES OBTAINED: N/A

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: 3.1

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: [Signature]



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

TOC # 049

ADDR:

3400 SAN PABLO AVE.  
OAKLAND, 94612

DATE:

04-21-06

PERSON:

SERBATT

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	✓			0021030	AFTER QWS-
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 QWS IN 04-19-06

**ALWAYS OBSERVE SAFETY PROCEDURES!**



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

# 049

ADDR:

3400 SAND HILL AVE  
OAKLAND 94612

DATE:

04-18-06

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		X		0021010	FOR GWS.
FPR	FP Recovery					
O	Other:					

**UTILITIES:**

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

**OTHER NOTES:**

SHUT DOWN SYSTEM, CHECK DRUMS FOR LEAK,  
PREPARE FOR GWS

**ALWAYS OBSERVE SAFETY PROCEDURES!**



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE: #049  
 ADDR: 3400 SAN PABLO AVE  
 OAKLAND, 94612  
 DATE: 04-18-06  
 PERSON: SERBANI,

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		X		0021010	FOR GWS.
FPR	PP Recovery					
O	Other:					

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

OTHER NOTES:  
 SHUT DOWN SYSTEM, CHECK DRUMS FOR LEAK,  
 PREPARE FOR GWS

**ALWAYS OBSERVE SAFETY PROCEDURES!**

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P -

DATE OF INSPECTION: 04-11-06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL,  
BELT, PIPE AND HOSES FOR LEAK, CLEAN INSIDE  
COMPOUND,

FLOW METER READING: 15,72.0

SAMPLES OBTAINED: N/A

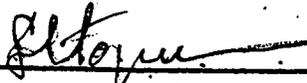
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 1.0

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.5

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

INSPECTOR'S SIGNATURE: 

049

THRIFTY OIL CO. SERVICE STATION #049

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P -

DATE OF INSPECTION: 04-04-06

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK BENT, OIL TAKE WATER SAMPLE FROM SYSTEM

FLOW METER READING: 12,51.3

SAMPLES OBTAINED: YES

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 1.0

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

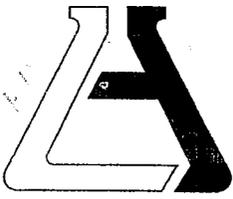
PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.0

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: [Signature]

# ***APPENDIX D***



**ASSOCIATED LABORATORIES**

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

FAX 714/538-1209

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

LAB REQUEST 171393 ✓  
REPORTED 06/26/2006  
RECEIVED 06/13/2006

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.

<u>Order No.</u>	<u>Client Sample Identification</u>
719009	TOC #049 Inlet
719010	TOC #049 Int.-2
719011	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 #: 719009

Client: sample ID: TOC #049 Inlet

Matrix: WATER

Date Sampled: 06/09/2006 Time Sampled: 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	520	10	10.0	0.32	ug/L	06/15/06 LZ
Ethyl benzene	820	10	50.0	0.24	ug/L	06/15/06 LZ
Toluene	16300	100	500.0	0.10	ug/L	06/16/06 LZ
Xylenes, total	6840	10	50.0	0.3	ug/L	06/15/06 LZ
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	101				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 130
Surr3 - Toluene-d8	102				%	70 - 130
Surr4 - p-Bromofluorobenzene	109				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	71000	20	1000.0	5.6	ug/L	06/23/06 LD
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	98				%	55 - 200

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



Order #: 719010  
Matrix: WATER

Client: sample ID: TOC #049 Int.-2  
Date Sampled: 06/09/2006 Time Sampled: 09:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	264	1	1.0	0.32	ug/L	06/15/06 LZ
Ethyl benzene	430	J100	500.0	0.24	ug/L	06/16/06 LZ
Toluene	8320	100	500.0	0.10	ug/L	06/16/06 LZ
Xylenes, total	3440	100	500.0	0.3	ug/L	06/16/06 LZ
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	106			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 130	
Surr3 - Toluene-d8	104			%	70 - 130	
Surr4 - p-Bromofluorobenzene	114			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	34300	20	1000.0	5.6	ug/L	06/23/06 LD
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	93			%	55 - 200	

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



Order #: 719011

Client Sample ID: Laboratory Method Blank

Matrix: WATER

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

**8260B BTEX/MTBE Only**

Benzene	ND	1	1	0.32	ug/L	06/15/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	06/15/06 LZ
Toluene	ND	1	5	0.10	ug/L	06/15/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	06/15/06 LZ

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	112			%	70 - 130

**8015B - Gasoline**

Gasoline	ND	1	50	5.6	ug/L	06/23/06 LD
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**Surrogates**

				Units	Control Limits
a,a,a-Trifluorotoluene	84			%	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: G15-LCS&LCSD  
 Matrix: WATER  
 Prep. Date: June 20, 2006  
 Analysis Date: 6/20/2006  
 ID#'s in Batch: LR 171515, 171375, 171393

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	628	480	126	96	27

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
<b>QC Limit</b>	<b>55-200</b>
Method Blank	90
LCS	119
LCSD	111

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

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD

Matrix: WATER

Prep. Date: June 23, 2006

Analysis Date 6/23/2006

ID#'s in Batch: LR 171535, 171393, 171241, 171463, 171898, 171065, 171847, 171769, 171145, 171654

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	640	628	128	126	2

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	84
LCS	112
LCSD	115

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

ASSOCIATED LABORATORIES

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

Sample ID: LCS/LCSD Water Samples  
 Date Prep: June 16, 2006  
 Date Analyzed: June 16, 2006  
 Sample Matrix: Water  
 Units: µg/L

Applies to LR: 171475, 171393, 171394, 171241, 171464, 171537, 171536

Compound	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	50.0	42.60	43.90	85	88	3	22	59-172
MTBE	50.0	42.10	50.30	84	101	18	24	62-137
Benzene	50.0	47.20	51.80	94	104	9	24	62-137
Trichloroethene	50.0	47.50	49.90	95	100	5	21	66-142
Toluene	50.0	46.00	48.80	92	98	6	21	59-139
Chlorobenzene	50.0	47.70	51.70	95	103	8	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB1	MB2		LCS	LCSD	Limits % Rec
Dibromofluoromethane	95	106		96	93	70-135
1,2-Dichloroethane-d4	110	111		106	106	70-135
Toluene-d8	102	102		104	103	70-135
p-Bromofluorobenzene	109	109		107	103	70-135

ASSOCIATED LABORATORIES

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

Sample ID: MS/MSD Water Samples 171255-992  
 Date Prep: June 14, 2006  
 Date Analyzed: June 14, 2006 8:15pm  
 Sample Matrix: Water  
 Units: µg/L

Applies to LR: 171580, 171229, 171241, 170717, 170821, 171255, 171393

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	46.60	45.80	93	92	2	22	59-172
MTBE	0.00	50.0	52.00	50.70	104	101	3	24	62-137
Benzene	0.00	50.0	55.20	55.20	110	110	0	24	62-137
Trichloroethene	0.00	50.0	48.10	52.60	96	105	9	21	66-142
Toluene	163.7*	50.0	174.00	176.00	NC	NC	1	21	59-139
Chlorobenzene	0.00	50.0	49.20	52.10	98	104	6	21	60-133

Sample ID: LCS/LCSD

Compound	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	50.0	39.80	46.20	80	92	15	22	59-172
MTBE	50.0	47.70	52.60	95	105	10	24	62-137
Benzene	50.0	49.70	56.60	99	113	13	24	62-137
Trichloroethene	50.0	48.20	53.60	96	107	11	21	66-142
Toluene	50.0	45.10	49.90	90	100	10	21	59-139
Chlorobenzene	50.0	48.10	52.70	96	105	9	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB1	MB2	MS	MSD	LCS	LCSD	Limits % Rec
Dibromofluoromethane	100	104	94	93	100	103	70-135
1,2-Dichloroethane-d4	109	105	105	106	103	107	70-135
Toluene-d8	104	102	103	102	105	98	70-135
p-Bromofluorobenzene	120	112	103	98	110	106	70-135

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

Sample ID: MS/MSD Water Samples 171464-285  
 Date Prep: June 15, 2006  
 Date Analyzed: June 15, 2006 8:41pm  
 Sample Matrix: Water  
 Units: µg/L

Applies to LR: 171393, 171394, 171464, 171475

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	44.30	42.80	89	86	3	22	59-172
MTBE	0.00	50.0	54.90	54.60	110	109	1	24	62-137
Benzene	0.00	50.0	53.70	52.20	107	104	3	24	62-137
Trichloroethene	0.00	50.0	50.00	52.20	100	104	4	21	66-142
Toluene	0.00	50.0	48.30	47.40	97	95	2	21	59-139
Chlorobenzene	0.00	50.0	49.40	50.10	99	100	1	21	60-133

Sample ID: LCS/LCSD

Compound	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	50.0	43.40	43.60	87	87	0	22	59-172
MTBE	50.0	49.80	51.30	100	103	3	24	62-137
Benzene	50.0	49.70	53.70	99	107	8	24	62-137
Trichloroethene	50.0	46.60	52.90	93	106	13	21	66-142
Toluene	50.0	46.40	49.50	93	99	6	21	59-139
Chlorobenzene	50.0	48.10	51.10	96	102	6	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB1	MB2		MS	MSD		LCS	LCSD	Limits % Rec
Dibromofluoromethane	104	99		101	95		103	95	70-135
1,2-Dichloroethane-d4	105	112		107	106		107	108	70-135
Toluene-d8	102	98		102	112		98	108	70-135
p-Bromofluorobenzene	112	112		103	105		106	105	70-135

# Chain of Custody Record

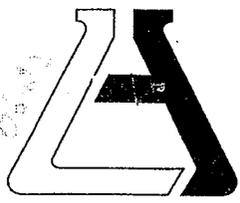


171393

Page 1 of 1

Company <b>THRIFTY OIL CO.</b>		Phone <b>562(921-3521)</b>		A.L. Job No.					
Project Manager <b>JEFF SURYAKUSUMA</b>		Fax <b>562(921-7510)</b>		Analysis Requested				Test Instructions & Comments	
Project Name <b>SYSTEM WATER SAMPLING</b>		Project # <b>049V</b>							
Site Name and Address <b>3400 SAN PABLO AVE OAKLAND, CA. 94612</b>									
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH <sub>9</sub> (2016M)	BTEX (8260B)	
1	INLET	06-09-06	9:00	H <sub>2</sub> O	3-VOA	HCL	X	X	
2	INT.-2	06-09-06	9:15	H <sub>2</sub> O	3-VOA	HCL	X	X	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1. <b>E.M.C.</b>		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	<b>6</b>	Property Cooled	<b>Y/N/NA</b>	Signature:	<i>[Signature]</i>	Signature:		Signature:	
Custody Seals Y/N/NA		Samples Intact	<b>Y/N/NA</b>	Printed Name:	<b>SURYAKUSUMA P.</b>	Printed Name:		Printed Name:	
Received in Good Condition	<b>Y/N</b>	Samples Accepted	<b>Y/N</b>	Date:	<b>06-12-06</b>	Time:	<b>17:00</b>	Date:	
Turn Around Time				Received By: 1. <b>G.S.O.</b>		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.	Signature:	<i>[Signature]</i>	Signature:		Signature:	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	<b>[Name]</b>	Printed Name:		Printed Name:	
				Date:	<b>6/13/06</b>	Time:	<b>9:55</b>	Date:	



**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 170367 ✓

REPORTED 06/06/2006

RECEIVED 05/25/2006

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.

714468

714469

714470

714471

↓  
Client Sample Identification

TOC # 049 OUTLET PSP-1

TOC # 049 INT-1

TOC # 049 INLET

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 #: 714468

Matrix: WATER

Client Sample ID: TOC # 049 OUTLET PSP

Date Sampled: 05/23/2006 Time Sampled: 10:00

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

Benzene	ND	1	1	0.32	ug/L	06/01/06 YL
Ethyl benzene	ND	1	5	0.24	ug/L	06/01/06 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	06/01/06 YL
Toluene	ND	1	5	0.10	ug/L	06/01/06 YL
Xylenes, total	ND	1	5	0.3	ug/L	06/01/06 YL

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	109			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 130
Surr3 - Toluene-d8	100			%	70 - 130
Surr4 - p-Bromofluorobenzene	104			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	5.6	ug/L	05/29/06 SU
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**Surrogates**

				Units	Control Limits
a,a,a-Trifluorotoluene	62			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 714469  
Matrix: WATER

Client Sample ID: TOC # 049 INT-1  
Date Sampled: 05/23/2006 Time Sampled: 10:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	06/01/06 YL
Ethyl benzene	ND	1	5	0.24	ug/L	06/01/06 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	06/01/06 YL
Toluene	ND	1	5	0.10	ug/L	06/01/06 YL
Xylenes, total	ND	1	5	0.3	ug/L	06/01/06 YL

Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	110				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	101				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	104				%	70 - 130

<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	05/29/06 SU

Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	66				%	55 - 200

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



Order #: 714470

Client Sample ID: TOC # 049 INLET

Matrix: WATER

Date Sampled: 05/23/2006 Time Sampled: 10:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	3330	1000	1000.0	0.32	ug/L	06/01/06 YL
Ethyl benzene	7440	1000	5000.0	0.24	ug/L	06/01/06 YL
Methyl-tert-butylether (MTBE)	ND	1000	1000.0	0.63	ug/L	06/01/06 YL
Toluene	111000	1000	5000.0	0.10	ug/L	06/01/06 YL
Xylenes, total	38400	1000	5000.0	0.3	ug/L	06/01/06 YL

Surrogates				Units	Control Limits
Surr1 - Dibromofluoromethane	109			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130
Surr3 - Toluene-d8	108			%	70 - 130
Surr4 - p-Bromofluorobenzene	106			%	70 - 130

**8015M - Gasoline**

Gasoline	1020000	1000	50000.0	5.6	ug/L	05/29/06 SU
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Surrogates				Units	Control Limits
a,a,a-Trifluorotoluene	66			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 714471

Client Sample ID: Laboratory Method 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	05/31/06 YL
Ethyl benzene	ND	1	5	0.24	ug/L	05/31/06 YL
Toluene	ND	1	5	0.10	ug/L	05/31/06 YL
Xylenes, total	ND	1	5	0.3	ug/L	05/31/06 YL
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	108				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 130
Surr3 - Toluene-d8	100				%	70 - 130
Surr4 - p-Bromofluorobenzene	111				%	70 - 130
<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	05/28/06 SU
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	69				%	55 - 200

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



UNASSOCIATED LABORATORIES  
QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 4

Sample ID: MS/MSD Water Samples 170368-472  
 Date Prep: May 31, 2006  
 Date Analyzed: May 31, 2006 4:57 PM  
 Sample Matrix: Water  
 Units: µg/L

Applies to LR: 170369, 170547, 170149, 170150, 170368, 170363, 170209, 170290, 170367

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	48.42	49.91	97	100	3	22	59-172
MTBE	0.00	50.0	43.85	41.91	88	84	5	24	62-137
Benzene	0.00	50.0	46.64	45.42	93	91	3	24	62-137
Trichloroethene	0.00	50.0	49.26	51.40	99	103	4	21	66-142
Toluene	0.00	50.0	46.35	47.54	93	95	3	21	59-139
Chlorobenzene	0.00	50.0	44.60	45.22	89	90	1	21	60-133

Sample ID: LCS/LCSD

Compound	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	50.0	47.99	47.78	96	96	0	22	59-172
MTBE	50.0	49.75	49.59	100	99	0	24	62-137
Benzene	50.0	47.39	47.34	95	95	0	24	62-137
Trichloroethene	50.0	50.09	49.68	100	99	1	21	66-142
Toluene	50.0	46.57	48.47	93	97	4	21	59-139
Chlorobenzene	50.0	47.87	47.24	96	94	1	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB1	MB2	MS	MSD	LCS	LCSD	Limits % Rec
Dibromofluoromethane	109	108	107	105	110	108	70-135
1,2-Dichloroethane-d4	103	99	109	103	103	101	70-135
Toluene-d8	102	100	104	105	103	104	70-135
p-Bromofluorobenzene	112	111	109	110	104	107	70-135

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD  
 Matrix: WATER  
 Prep. Date: May 28, 2006  
 Analysis Date 05/28/06-05/29/06  
 ID#'s in Batch: LR 170273, 170330, 170367

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	533	516	107	103	3

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
<b>QC Limit</b>	<b>55-200</b>
Method Blank	69
LCS	110
LCSD	107

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

# Chain of Custody Record

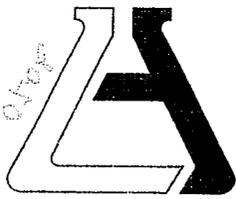


Company <b>THRIFTY OIL CO.</b>	Phone <b>(562) 921-3581</b>	A.L. Job No. <b>170367 ✓</b>	Page <b>1</b> of <b>1</b>						
Project Manager <b>JEFF SURYAKUSUMA</b>	Fax <b>(562) 921-7520</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Analysis Requested</th> <th>Test Instructions &amp; Comments</th> </tr> <tr> <td style="width:10%;"></td><td style="width:10%;"></td><td style="width:80%;"></td> </tr> </table>		Analysis Requested		Test Instructions & Comments			
Analysis Requested				Test Instructions & Comments					
Project Name <b>SYSTEM WATER SAMPLING</b>	Project # <b>049 V</b>								
Site Name and Address <b>3400 SAN PABLO AVE OAKLAND, CA. 94612</b>									

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TAM9 (8015M)	BTE-X (8260B)											
1	OUTLET DSA-1	05-23-06	10:00	H <sub>2</sub> O	3-VOA	HCL	X	X											GRAB SAMPLE
2	INT. - 1	05-23-06	10:10	H <sub>2</sub> O	3-VOA	HCL	X	X											
3	INLET	05-23-06	10:20	H <sub>2</sub> O	3-VOA	HCL	X	X											
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by Sampler: <b>E.M.C.</b> 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	<b>9</b>	Properly Cooled <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		Signature: <i>[Signature]</i>		Signature:		Signature:	
Custody Seals <input checked="" type="checkbox"/> Y / <input checked="" type="checkbox"/> N / <input type="checkbox"/> NA		Samples Intact <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		Printed Name: <b>SERRAN P -</b>		Printed Name:		Printed Name:	
Received in Good Condition <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		Samples Accepted <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		Date: <b>05-23-06</b> Time:		Date: Time:		Date: Time:	
<b>Turn Around Time</b>				Received By: 1.		Received By: <b>Juan</b> 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:		Signature: <i>[Signature]</i>		Signature:	
				Printed Name:		Printed Name: <b>Juan Montoya</b>		Printed Name:	
				Date: Time:		Date: <b>5/25/06</b> Time: <b>7:45</b>		Date: Time:	

*5-25-06 3:40*



**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 167575✓

REPORTED 04/18/2006

RECEIVED 04/06/2006

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.

<u>Order No.</u>	<u>Client Sample Identification</u>
700797	TOC #049 Int-1
700798	TOC #049 Int-2
700799	TOC #049 Int-3
700800	TOC #049 Inlet
700801	TOC #049 MW-2R
700802	TOC #049 MW-4R
700803	TOC #049 RW-1R
700804	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 #: 700797

Client Sample ID: TOC #049 Int-1

Matrix: WATER

Date Sampled: 04/04/2006 Time Sampled: 09:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	1.3	1	1	0.32	ug/L	04/11/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/11/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/11/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/11/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/11/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/11/06 LZ
Tertiary butyl alcohol (TBA)	14	1	10	10	ug/L	04/11/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/11/06 LZ
Xylenes, total	12	1	5	0.3	ug/L	04/11/06 LZ
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	113				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	128				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	119				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/07/06 SU
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	87				%	55 - 200

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



Order #: 700798

Client Sample ID: TOC #049 Int-2

Matrix: WATER

Date Sampled: 04/04/2006 Time Sampled: 09:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/11/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/11/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/11/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/11/06 LZ
Methyl-tert-butylether (MTBE)	297	1	1	0.63	ug/L	04/11/06 LZ
Tert-amylmethylether (TAME)	1.5	1	1	0.28	ug/L	04/11/06 LZ
Tertiary butyl alcohol (TBA)	19	1	10	10	ug/L	04/11/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/11/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/11/06 LZ
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	105				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	108				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	294	1	50	5.6	ug/L	04/07/06 SU
<b>Surrogates</b>						
					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	80				%	55 - 200

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



Order #: 700799  
 Matrix: WATER

Client Sample ID: TOC #049 Int-3  
 Date Sampled: 04/04/2006 Time Sampled: 10:00

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	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN

**8260B BTEX/MTBE Only**

Benzene	ND	1	1	0.32	ug/L	04/11/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/11/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/11/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/11/06 LZ
Methyl-tert-butylether (MTBE)	444	1	1	0.63	ug/L	04/11/06 LZ
Tert-amylmethylether (TAME)	2.2	1	1	0.28	ug/L	04/11/06 LZ
Tertiary butyl alcohol (TBA)	123	1	10	10	ug/L	04/11/06 LZ
Toluene	3.1	J 1	5	0.10	ug/L	04/11/06 LZ
Xylenes, total	6.3	1	5	0.3	ug/L	04/11/06 LZ

**Surrogates**

	Units	Control Limits
Surr1 - Dibromofluoromethane	104	%
Surr2 - 1,2-Dichloroethane-d4	105	%
Surr3 - Toluene-d8	101	%
Surr4 - p-Bromofluorobenzene	109	%

**8015B - Gasoline**

Gasoline	479	1	50	5.6	ug/L	04/07/06 SU
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**Surrogates**

	Units	Control Limits
a,a,a-Trifluorotoluene	92	%

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



Order #: 700800  
Matrix: WATER

Client Sample ID: TOC #049 Inlet  
Date Sampled: 04/04/2006 Time Sampled: 10:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN

**8260B BTEX/MTBE Only**

Benzene	15	1	1	0.32	ug/L	04/11/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/11/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/11/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/11/06 LZ
Methyl-tert-butylether (MTBE)	341	1	1	0.63	ug/L	04/11/06 LZ
Tert-amylmethylether (TAME)	14	1	1	0.28	ug/L	04/11/06 LZ
Tertiary butyl alcohol (TBA)	148	1	10	10	ug/L	04/11/06 LZ
Toluene	5.0	1	5	0.10	ug/L	04/11/06 LZ
Xylenes, total	193	1	5	0.3	ug/L	04/11/06 LZ

**Surrogates**

		Units	Control Limits
Surr1 - Dibromofluoromethane	105	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	102	%	70 - 130
Surr3 - Toluene-d8	104	%	70 - 130
Surr4 - p-Bromofluorobenzene	116	%	70 - 130

**8015B - Gasoline**

Gasoline	2580	1	50	5.6	ug/L	04/07/06 SU
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**Surrogates**

		Units	Control Limits
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 #: 700801

Client Sample ID: TOC #049 MW-2R

Matrix: WATER

Date Sampled: 04/04/2006 Time Sampled: 10:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	46	1	1	0.32	ug/L	04/12/06 LZ
Ethyl benzene	62	1	5	0.24	ug/L	04/12/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/12/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/12/06 LZ
Methyl-tert-butylether (MTBE)	201	1	1	0.63	ug/L	04/12/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/12/06 LZ
Tertiary butyl alcohol (TBA)	230	1	10	10	ug/L	04/12/06 LZ
Toluene	108	1	5	0.10	ug/L	04/12/06 LZ
Xylenes, total	1100	10	50.0	0.3	ug/L	04/16/06 LZ
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Surr1 - Dibromofluoromethane	97				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	91				%	70 - 130
Surr3 - Toluene-d8	100				%	70 - 130
Surr4 - p-Bromofluorobenzene	127				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	9390	20	1000.0	5.6	ug/L	04/07/06 SU
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
a,a,a-Trifluorotoluene	125				%	55 - 200

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



Order #: 700802  
Matrix: WATER

Client Sample ID: TOC #049 MW-4R  
Date Sampled: 04/04/2006 Time Sampled: 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	46	1	1	0.32	ug/L	04/12/06 LZ
Ethyl benzene	34	1	5	0.24	ug/L	04/12/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/12/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/12/06 LZ
Methyl-tert-butylether (MTBE)	75	1	1	0.63	ug/L	04/12/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/12/06 LZ
Tertiary butyl alcohol (TBA)	139	1	10	10	ug/L	04/12/06 LZ
Toluene	101	1	5	0.10	ug/L	04/12/06 LZ
Xylenes, total	965	10	50.0	0.3	ug/L	04/16/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	97			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	94			%	70 - 130	
Surr3 - Toluene-d8	103			%	70 - 130	
Surr4 - p-Bromofluorobenzene	124			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	6930	10	500.0	5.6	ug/L	04/10/06 SU
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	141			%	55 - 200	

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



Order #: 700803

Client Sample ID: TOC #049 RW-1R

Matrix: WATER

Date Sampled: 04/04/2006 Time Sampled: 10:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8015M Ethanol / Methanol by GC-FID</b>						
Ethanol	ND	1	50	20	mg/L	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	160	1	1	0.32	ug/L	04/12/06 LZ
Ethyl benzene	48	1	5	0.24	ug/L	04/12/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/12/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/12/06 LZ
Methyl-tert-butylether (MTBE)	247	1	1	0.63	ug/L	04/12/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/12/06 LZ
Tertiary butyl alcohol (TBA)	100	1	10	10	ug/L	04/12/06 LZ
Toluene	278	1	5	0.10	ug/L	04/12/06 LZ
Xylenes, total	2490	10	50.0	0.3	ug/L	04/16/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	94			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	85			%	70 - 130	
Surr3 - Toluene-d8	100			%	70 - 130	
Surr4 - p-Bromofluorobenzene	136			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	17000	20	1000.0	5.6	ug/L	04/08/06 SU
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	129			%	55 - 200	

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



Order #: 700804

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	04/12/06 QN
Methanol	ND	1	50	20	mg/L	04/12/06 QN
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.32	ug/L	04/10/06 LZ
Ethyl benzene	ND	1	5	0.24	ug/L	04/10/06 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	04/10/06 LZ
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	04/10/06 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	04/10/06 LZ
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	04/10/06 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	04/10/06 LZ
Toluene	ND	1	5	0.10	ug/L	04/10/06 LZ
Xylenes, total	ND	1	5	0.3	ug/L	04/10/06 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	106			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130	
Surr3 - Toluene-d8	102			%	70 - 130	
Surr4 - p-Bromofluorobenzene	105			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	04/07/06 SU
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	80			%	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: April 7, 2006  
 Analysis Date 04/07/06-04/09/06  
 ID#'s in Batch: LR 167575, 167613, 167504, 167510

**LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT**

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	612	567	122	113	8

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	80
LCS	176
LCSD	165

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

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

Sample ID: LCS/LCSD Water Samples  
 Date Analyzed: April 11, 2006  
 Sample Matrix: water  
 Units: µg/L

Applies to LR: 167303, 167326, 167575, 167642, 167773, 167641, 167640,

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	55.00	54.60	110	109	1	22	59-172
MTBE	0.00	50.0	45.50	46.70	91	93	3	24	62-137
Benzene	0.00	50.0	48.70	47.70	97	95	2	24	62-137
Trichloroethene	0.00	50.0	55.00	51.90	110	104	6	21	66-142
Toluene	0.00	50.0	56.80	52.00	114	104	9	21	59-139
Chlorobenzene	0.00	50.0	51.60	49.70	103	99	4	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB1	MB2		LCS	LCSD				Limits % Rec
Dibromofluoromethane	111	119		110	122				70-135
1,2-Dichloroethane-d4	125	108		100	103				70-135
Toluene-d8	102	104		104	107				70-135
p-Bromofluorobenzene	124	123		121	120				70-135

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

Sample ID: LCS/LCSD Water Samples  
 Date Analyzed: April 12, 2006  
 Sample Matrix: water  
 Units: µg/L

Applies to LR: 167613, 167575, 167642, 167415, 167633

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	38.50	43.20	77	86	12	22	59-172
MTBE	0.00	50.0	33.80	34.00	68	68	1	24	62-137
Benzene	0.00	50.0	35.00	33.20	70	66	5	24	62-137
Trichloroethene	0.00	50.0	42.40	44.70	85	89	5	21	66-142
Toluene	0.00	50.0	42.10	41.90	84	84	0	21	59-139
Chlorobenzene	0.00	50.0	36.90	36.40	74	73	1	21	60-133

\*=Outside QC limits due to high concentration in sample  
 If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB1	MB2		LCS	LCSD				Limits % Rec
Dibromofluoromethane	97			119	115				70-135
1,2-Dichloroethane-d4	120			100	110				70-135
Toluene-d8	103			107	107				70-135
p-Bromofluorobenzene	124			123	132				70-135

UNASSOCIATED LABORATORIES  
QA / QC EPA Methods 8260 GCMS # 5

Sample ID: LCS/LCSD Soil Samples  
Date Analyzed: April 17, 2006  
Sample Matrix: Water  
Units: µg/Kg

Applies to LR: 167575, 167633, 167636, 167475

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	ND	50.0	58.90	47.10	118	94	22	22	59-172
MTBE	ND	50.0	44.50	50.60	89	101	13	24	62-137
Benzene	ND	50.0	46.20	48.90	92	98	6	24	62-137
Trichloroethene	ND	50.0	42.40	42.50	85	85	0	21	66-142
Toluene	ND	50.0	45.10	44.90	90	90	0	21	59-139
Chlorobenzene	ND	50.0	44.50	45.80	89	92	3	21	60-133

\*=Outside QC limits due to high concentration in sample  
If Sample Result > 4 times Spike Added, then "NC"

### Surrogate Recovery

Compound	MB1	MB2		LCS	LCSD				Limits % Rec
Dibromofluoromethane	88	89		91	92				70-135
1,2-Dichloroethane-d4	113	113		102	106				70-135
Toluene-d8	101	103		98	98				70-135
p-Bromofluorobenzene	95	95		94	94				70-135

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: LCS / LCSD  
 Matrix: WATER  
 Prep. Date: 04/12/06  
 Analysis Date: 04/12/06  
 ID#'s in Batch: LR 167575; LR 167613

**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	102.2	98.0	102	98	4
Ethanol	D285	ND	100	104.2	99.2	104	99	5

*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
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**Method Blank - All ND**

# Chain of Custody Record

**ASSOCIATED LABORATORIES**

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



167575 ✓

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Company	THRIFTY OIL CO.	Phone	(562) 921-3581	A.L. Job No.	
Project Manager	JEFF SURYAKUSUMIT	Fax	(562) 921-7510	Analysis Requested	
Project Name	SYSTEM WATER SAMPLING	Project #	049 ✓	Test Instructions & Comments	
Site Name and Address	3400 SAN PABLO AVE. OAKLAND CA. 94612				

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH4 (2015M)	BTEX (8260B)	* OXYGENATES										
1 INT.-1		04-04-06	9:40	H <sub>2</sub> O	3-VOA	HCL	X	X	X										
2 INT.-2			9:50				X	X	X										
3 INT.-3			10:00				X	X	X										
4 INLET			10:10				X	X	X										
5 MW-2R			10:20				X	X	X										
6 MW-4R			10:30				X	X	X										
7 RW-1R			10:40				X	X	X										
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

ANALYSIS REQUIRED FOR OXYGENATED COMPOUNDS USED IN CA. GASOLINE BY EPA-8260B  
 1-METHANOL  
 2-TERTIARY BUTANOL  
 3-ETHANOL  
 4-MTBE  
 5-DIPE  
 6-ETBE  
 7-TAME

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by Sampler: <b>E.M.C.</b> 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	21	Properly Cooled	Y / N / NA	Signature:	<i>[Signature]</i>	Signature:		Signature:	
Custody Seals	Y / N / NA	Samples Intact	Y / N / NA	Printed Name:	<b>SERBANI P.</b>	Printed Name:		Printed Name:	
Received in Good Condition	Y / N	Samples Accepted	Y / N	Date:	04-04-06	Time:	17:00	Date:	
<b>Turn Around Time</b>				Received By: <b>G.S.O.</b> 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.	Signature:	<i>[Signature]</i>	Signature:		Signature:	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	<i>[Signature]</i>	Printed Name:		Printed Name:	
				Date:		Time:		Date:	

4/6/06 10:20

4-706 11:20