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Alameda County  
Environmental Health

# THRIFTY OIL CO.

January 8, 2008

O.83333

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

Local #RO0000005  
RWQCB #01-1479

RE: **Former Thrifty Oil Co. Station #063**  
**ARCO Products Company Station #9542**  
6125 Telegraph Avenue  
Oakland, CA  
***Fourth Quarter 2007, Status Report***

Dear Mr. Plunkett:

Presented herein is the Fourth Quarter 2007, Status Report prepared by Equipoise Corporation (Equipoise) for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the quarterly groundwater-monitoring program and ongoing interim remediation conducted during the Fourth Quarter 2007. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling activities at this site.

Should you have any questions regarding this report, please contact Richard Blackmer of Equipoise Corporation at (949) 366-0266 or the undersigned at (562) 921-3581, Ext 390.

Respectfully submitted,



Chris Panaitescu  
General Manager  
Environmental Affairs

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



13116 Imperial Highway, Santa Fe Springs, CA 90670-0138 • (562) 921-3581

**Fourth Quarter 2007  
Quarterly Status Report  
Former Thrifty Oil Co. Station #063  
6125 Telegraph Avenue  
Oakland, California**

**Local RO# 0000005  
Facility Global ID No. T0600101366  
EDF Confirmation No. 2963670432**

Prepared for

**Thrifty Oil Co.**  
13116 Imperial Highway  
Santa Fe Springs, California 90670

Equipoise Project No. CA135.063.4Q 07

December 31, 2007

Prepared by:

**EQUIPOISE**  
CORPORATION

1401 North El Camino Real, Suite 107  
San Clemente, California 92672  
(949) 366-0266 Fax:(949) 366-0281

## Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063  
 Fourth Quarter 2007  
 Reporting Period: 10/1/07 to 12/31/2007

### Site Information:

Site address:	TOC SS #063 (ARCO #9542) 6125 Telegraph Avenue Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	2963670432
Lead Agency No.:	Local #RO0000005
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Steven Plunkett / 510 383-1767
Project Manager:	Simon Tregurtha / 562-921-3581 ext. 260

### Field Activity:

Groundwater wells onsite:	5
Groundwater wells offsite:	2
Date(s) monitored:	10/24/2007
Date(s) sampled:	10/24/2007
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Existing groundwater treatment system
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):	12.13 to 16.50
Groundwater elevation (feet above mean sea level):	133.12 to 136.25
Groundwater gradient and flow direction:	West-southwest at approximately 0.04 ft./ft.
Consistent with previous quarter:	Similar to previous quarter

**Groundwater Conditions:**

TPHg concentration (ug/L):	ND<5.6 to 2,100
Benzene concentration (ug/L):	ND<0.18 to 120
Toluene concentration (ug/L):	ND<0.24 to 1.5 J
Ethyl benzene concentration (ug/L):	ND<0.21 to 36
Total Xylenes concentration (ug/L):	ND<0.45 to 4.0 J
MTBE concentration (ug/L):	ND<0.19 to 499
DIPE concentration (ug/L):	ND<0.20
ETBE concentration (ug/L):	ND<0.23
TAME concentration (ug/L):	ND<0.19
TBA concentration (ug/L):	ND<10 to 1,790

**Remediation Activity:**

System type:	GWPT
System start-up:	4/8/1991
Operation this quarter (hrs.):	NA
Cumulative Operation (hrs.):	NA
GW discharge this quarter (gal.):	73,130 (8/31/07-12/21/07)
Total GW discharge (gal.):	2,937,239 (through December 21, 2007)
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. Groundwater monitoring well locations are presented in **Figure 1**. A groundwater elevation contour map based on the October 24, 2007, groundwater monitoring data is presented in **Figure 2**. The groundwater flow direction is to the west-southwest at an approximate gradient of 0.04 feet/foot.

### **Quarterly Groundwater Sampling**

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 on October 24, 2007. Groundwater samples were obtained by Earth Management Company (EMC) and delivered in a chilled state following strict Chain-of-Custody procedure to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical sampling results are provided in **Table 1** and **Table 2**. Copies of the Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, MTBE, and TBA concentration results are presented in **Figures 3, 4, 5, and 6**, respectively. Laboratory results indicate that the highest concentrations of TPHg, benzene, and MTBE were detected in well MW-3 at 2,100 ug/L, 120 ug/L, and 499 ug/l, respectively.

The laboratory results for the groundwater samples vary significantly from third quarter 2007 results, and based on current results, the third quarter 2007 appears to be anomalous.

### **Remediation Status**

Site remedial activities were initiated in April 1991. Currently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. System operational data is included in **Table 3** and **Appendix C**. During the current reporting period (from August 31, 2007 through December 21, 2007), the groundwater treatment system processed approximately 73,130 gallons of groundwater and has treated approximately 2,937,239 gallons of groundwater since start-up (April 1991). The system was upgraded in the 2nd Quarter 2005, when a pump was replaced in well MW-3 and MW-4 was added to the extraction well array.

### **Other Activities**

In a letter received by Thrifty dated December 7, 2005, the Alameda County Health Care Services (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 provided 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 and Geotracker on April 26, 2006.

In a letter received by Thrifty dated October 24, 2006, the ACHCS requested a Revised SCM (RSCM) and an offsite investigation workplan (Workplan). On behalf of Thrifty, Equipoise Corporation uploaded the RSCM and Workplan to the California State Geotracker website and the ACHCS FTP website on November 29, 2006. Subsequently, the ACHCS sent a letter to Thrifty dated December 21, 2006 approving the Workplan for down-gradient off-site assessment.

On February 22, 2007, two downgradient groundwater monitoring wells (MW-7 and MW-8) were installed on the property located adjacent to the south of the Site by Test America of Rancho Cordova, California under the supervision of Equipoise Corporation. Results of the additional site assessment were presented in a *Site Assessment/Well Installation Report*, submitted to ACHCS on April 5, 2007.

#### Activities Planned for 1<sup>st</sup> Quarter 2008

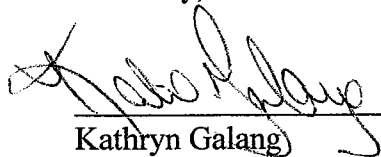
The following activities are planned for next reporting period (1<sup>st</sup> Quarter 2008):

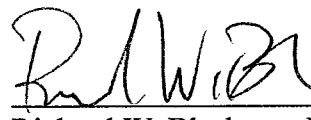
- Continue groundwater monitoring and sampling; and
- Continue operations of the groundwater remediation system.

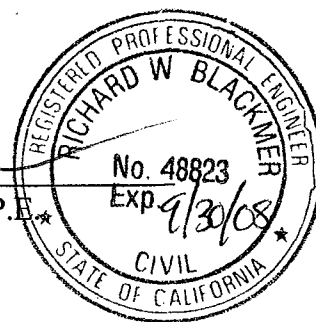
#### Closing Comments

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

Sincerely,

  
\_\_\_\_\_  
Kathryn Galang  
Staff Scientist

  
\_\_\_\_\_  
Richard W. Blackmer, P.E.  
Principal Engineer



## ***TABLES***

**SUMMARY TABLE  
CURRENT PERIOD GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA, 94609  
T0600101366**

WELL	Monit/ Sampl. Date	ANALYTICAL PARAMETERS										MONITORING PARAMETERS				ELEVATION	
		TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)
MW-1	10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<10	NP	14.26	28.94	0.00	148.43	134.17
MW-3	10/24/07	2,100	120	1.5 J	36	4.0 J	499	<0.20	<0.23	<0.19	1,790	NP	15.43	28.20	0.00	148.94	133.51
MW-4	10/24/07	106	13	<0.24	1.4 J	<0.45	44	<0.20	<0.23	<0.19	62	NP	15.17	24.07	0.00	148.88	133.71
MW-5	10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<10	NP	16.50	26.23	0.00	149.62	133.12
MW-6	10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<10	NP	12.13	26.80	0.00	148.38	136.25
MW-7	10/24/07	1,100	72	<0.24	18	1.6 J	221	<0.20	<0.23	<0.19	1,120	NP	14.54	17.45	0.00	148.20	133.66
MW-8	10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<10	NP	12.93	18.24	0.00	147.31	134.38

**NOTE:** Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007  
 \* Top of casing elevation was estimated to be 6" below well rim

TPHg = Total Petroleum Hydrocarbons as gasoline	MTBE = Methyl-tert-butyl ether	= Depth To Water
B = Benzene	DIPE = Isopropyl ether	= Depth To Bottom
T = Toluene	ETBE = Ethyl-tert-butyl ether	= Depth To Product
E = Ethylbenzene	TAME = Tert-amyl methyl ether	= Product Thickness
X = Total Xylenes	TBA = Tertiary butyl alcohol	= Groundwater
		" - " = Not analyzed / Not available
		* < * = Less than detection level indicated
		* J * = Flag indicating value between MDL & PQL
		NP = No free product
		* = Pump in WELL affected DTW



**TABLE 1**  
**GROUNDWATER DATA**  
**THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
<b>MONITORING WELL #MW-1</b>											
<i>Screen Interval = 15 to 30 feet</i>											
11/21/86	-	-	-	-	-	-	NP	15.42	0.00	99.34	83.92
07/22/91	-	-	-	-	-	-	FILM	20.41	0.00	99.34	78.93
10/24/91	-	-	-	-	-	-	SHEEN	19.06	0.00	99.34	80.28
01/22/92	-	-	-	-	-	-	SHEEN	18.78	0.00	99.34	80.56
03/24/92	-	-	-	-	-	-	SHEEN	13.55	0.00	99.34	85.79
07/15/92	-	-	-	-	-	-	FILM	18.90	0.00	99.34	80.44
10/05/92	-	-	-	-	-	-	FILM	20.50	0.00	99.34	78.84
01/06/93	-	-	-	-	-	-	FILM	14.93	0.00	99.34	84.41
07/13/93	-	-	-	-	-	-	FILM	15.44	0.00	99.34	83.90
10/11/93	-	-	-	-	-	-	FILM	20.36	0.00	99.34	78.98
01/11/94	-	-	-	-	-	-	FILM	19.50	0.00	99.34	79.84
04/12/94	-	-	-	-	-	-	FILM	18.10	0.00	99.34	81.24
07/14/94	-	-	-	-	-	-	FILM	20.03	0.00	99.34	79.31
01/15/96	11,000	2,800	150	780	770	-	NP	19.02	0.00	99.34	80.32
04/15/96	17,000	3,600	330	1,500	3,400	-	NP	18.82	0.00	99.34	80.52
07/15/96	12,000	1,300	200	1,200	4,600	250	NP	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.87	0.00	99.34	84.47
01/13/97	27,000	810	6,000	570	4,100	2,700	NP	10.20	0.00	99.34	89.14
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900	NP	#N/A	-	-	-
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	NP	18.75	0.00	99.34	80.59
10/16/97	680	<0.3	0.55	<0.3	<0.5	-	NP	17.92	0.00	99.34	81.42
01/07/98	42,000	980	2,800	1,200	5,200	1.3	NP	9.80	0.00	99.34	89.54
04/06/98	7,100	700	340	170	2,600	1,000	NP	9.60	0.00	99.34	89.74
07/14/98	19,000	2,100	400	890	5,800	1,600	NP	13.70	0.00	99.34	85.64
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	NP	15.25	0.00	99.34	84.09
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	NP	12.20	0.00	99.34	87.14
04/16/99	320	<0.3	<0.3	<0.3	<0.5	* 540 / 630	NP	12.20	0.00	99.34	87.14
07/14/99	290	<0.3	<0.3	<0.3	<0.5	*590 / 580	NP	13.75	0.00	99.34	85.59
10/07/99	130	<0.3	<0.3	<0.3	<0.5	270	NP	12.15	0.00	99.34	87.19
01/26/00	13,000	460	54	290	3,700	940	NP	13.14	0.00	99.34	86.20
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	NP	10.63	0.00	99.34	88.71
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	9.11	0.00	99.34	90.23
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	9.10	0.00	99.34	90.24
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.08	0.00	99.34	90.26
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	NP	10.60	0.00	99.34	88.74
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.07	0.00	99.34	90.27
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.23	0.00	99.34	84.11
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.17	0.00	99.34	84.17
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	16.71	0.00	99.34	82.63

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
10/30/02	<50	2.2	<0.14	<0.18	<0.26	13	NP	15.16	0.00	99.34	84.18
01/15/03	465 J	<0.14	<0.07	<0.08	<0.35	147	NP	16.70	0.00	99.34	82.64
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.16	0.00	99.34	84.18
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.64	0.00	99.34	85.70
10/08/03	761	11	<0.32	1.4 J	2.9 J	653	NP	15.50	0.00	99.34	83.84
01/15/04	853	<0.04	<0.02	<0.02	<0.06	*1,100 / 558	NP	14.20	0.00	99.34	85.14
04/14/04	494	<2.2	<3.2	<3.1	<4.0	843	NP	12.93	0.00	99.34	86.41
07/29/04	1,040	<2.2	<3.2	<3.1	<4.0	1,070	NP	14.73	0.00	99.34	84.61
10/14/04	3,250	266	<0.32	59	78	811	NP	15.26	0.00	99.34	84.08
01/06/05	197	<0.22	<0.32	<0.31	<0.4	406	NP	15.14	0.00	99.34	84.20
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.40	0.00	99.34	89.94
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.65	0.00	99.34	82.69
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	18.19	0.00	99.34	81.15
01/19/06	1,380	58	<0.10	62	113	33	NP	9.37	0.00	99.34	89.97
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
07/26/06	8,850	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
01/24/07	<5.6	<0.32	3.1 J	1.2 J	6.4	<0.63	NP	13.60	0.00	148.43	134.83
04/24/07	3,090	133	3.2 J	114	116	72	NP	15.61	0.00	148.43	132.82
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.67	0.00	148.43	133.76
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.26	0.00	148.43	134.17
<b>MONITORING WELL #MW-2</b> <i>Screen Interval = 15 to 30 feet</i>											
11/21/86	-	-	-	-	-	-	0.11	14.90	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	0.38	17.84	17.46	100.01	95.35
10/24/91	-	-	-	-	-	-	16.97	17.00	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	FILM	16.72	0.00	100.01	83.29
03/24/92	-	-	-	-	-	-	11.98	15.81	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	FILM	16.37	0.00	100.01	83.64
10/05/92	-	-	-	-	-	-	18.09	18.41	0.32	100.01	81.84
01/06/93	-	-	-	-	-	-	FILM	12.37	0.00	100.01	87.64
07/13/93	-	-	-	-	-	-	FILM	15.19	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	0.10	18.05	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	0.03	16.98	16.95	100.01	95.83
04/12/94	-	-	-	-	-	-	FILM	15.54	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	FILM	17.93	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	NP	17.20	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	NP	17.26	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250	-	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.42	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	NP	10.25	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20	-	#N/A	-	-	-

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	17.20	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	16.20	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.18	16.26	0.08	100.01	83.81
Well Abandoned 1/30/98											
<b>MONITORING WELL #MW-3</b> <i>Screen Interval = 15 to 30 feet</i> (GROUNDWATER SYSTEM'S PUMPING WELL)											
11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	SHEEN	25.80	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52
10/11/93	-	-	-	-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	NP	25.10	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	NP	26.04	0.00	99.76	73.72
04/15/96	-	-	-	-	-	-	NP	21.03	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	21.43	0.00	99.76	78.33
01/13/97	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	NP	23.40	0.00	99.76	76.36
10/16/97	-	-	-	-	-	-	NP	22.30	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	NP	20.10	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	NP	14.40	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-	#N/A	-	-	-	-
01/20/99	-	-	-	-	-	-	#N/A	-	-	-	-
04/16/99	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	NP	25.87	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	NP	15.40	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	NP	14.25	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	NP	14.20	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	NP	15.12	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	NP	14.30	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	NP	13.46	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-	#N/A	-	-	-	-
07/16/01	-	-	-	-	-	-	NP	12.80	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	NP	15.30	0.00	99.76	84.46

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/23/02	-	-	-	-	-	-		#N/A	-	-	-
04/10/02	-	-	-	-	-	-	NP	13.22	0.00	99.76	86.54
07/24/02	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
10/30/02	-	-	-	-	-	-	NP	16.20	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	NP	14.10	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-		#N/A	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	NP	18.30	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	NP	16.65	0.00	99.76	83.11
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	NP	14.18	0.00	99.76	85.58
04/14/04	464	63	18	<0.31	16	189	NP	13.45	0.00	99.76	86.32
07/29/04	1,560	74	<3.2	30 J	<4.0	729	NP	15.94	0.00	99.76	83.82
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	NP	16.11	0.00	99.76	83.65
01/06/05	394	12	<0.32	1.5 J	<0.4	51	NP	15.61	0.00	99.76	84.15
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.19	0.00	99.76	90.57
07/27/05	383	5.6	<0.10	17	2.4 J	125	NP	16.63	0.00	99.76	83.13
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.97	0.00	99.76	82.79
01/19/06	2,050	93	2.2 J	103	55	273	NP	10.92	0.00	99.76	88.84
04/12/06	70	<0.32	<0.10	<0.24	<0.30	265	NP	12.55	0.00	99.76	87.21
07/26/06	228	<0.32	<0.10	<0.24	26	389	NP	14.94	0.00	99.76	84.82
10/25/06	87,100	26	4,880	2,390	18,500	<6.3	NP	17.49	0.00	99.76	82.27
01/24/07	4,770	1.5	98	86	604	<0.63	NP	13.40	0.00	148.94	135.54
04/24/07	15,700	42	<2.4	404	1,250	<1.9	NP	16.76	0.00	148.94	132.18
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.72	0.00	148.94	133.22
10/24/07	2,100	120	1.5 J	36	4.0 J	499	NP	15.43	0.00	148.94	133.51
<b>MONITORING WELL #MW-4</b>											
<i>Screen Interval = 9 to 29 feet</i>											
11/21/86	100,000	3,200	2,700	2,400	14,000	-	FILM	16.22	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.35	21.80	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	SHEEN	20.02	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	SHEEN	19.78	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	FILM	13.94	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	FILM	19.27	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	FILM	21.44	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	FILM	14.08	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	FILM	16.09	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	FILM	21.33	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	FILM	20.45	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	FILM	19.05	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	FILM	20.41	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	NP	19.89	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	NP	19.62	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600		#N/A	-	-	-

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
10/09/96	-	-	-	-	-	-	NP	15.32	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	NP	10.80	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000		#N/A			
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	NP	18.80	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	NP	17.76	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	NP	11.60	0.00	99.48	87.88
04/08/98	18,000	1,200	130	710	1,400	22,000	NP	10.10	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	NP	16.30	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	NP	16.90	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	NP	15.35	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	NP	15.30	0.00	100.48	85.18
07/14/99	8,500	<6	<6	<6	<10	*21,000 / 16,000	NP	18.40	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	NP	16.89	0.00	100.48	83.59
01/26/00	9,900	350	9	460	460	2,800	NP	12.62	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	NP	12.28	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	NP	13.81	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	NP	12.29	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	NP	12.26	0.00	100.48	88.22
01/10/01	<50	<0.18	2	<0.18	1	962	NP	10.75	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	NP	12.26	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	NP	13.80	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	NP	16.87	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7	8	1	1	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	NP	16.86	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	NP	10.69	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	135.14
04/24/07	1,840	25	<0.24	80	14	754	NP	16.67	0.00	148.88	132.21
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.44	0.00	148.88	133.44
10/24/07	106	13	<0.24	1.4 J	<0.45	44	NP	15.17	0.00	148.88	133.71
<b>MONITORING WELL #MW-5</b>											
<i>Screen Interval = 7 to 27 feet</i>											
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-	#N/A	-	-	-	-
03/24/92	-	-	-	-	-	-	NP	12.98	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	17.29	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	NP	18.92	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	NP	13.12	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	NP	16.15	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	NP	18.75	0.00	100.98	82.23
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	NP	17.80	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.59	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	NP	18.26	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1	-	#N/A	-	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000	#N/A	-	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.20	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.25	0.00	101.98	86.73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.96	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	16.33	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.80	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5	NP	10.97	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	14.43	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	14.02	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.04	0.00	101.98	87.94
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18

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GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	NP	10.97	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	NP	14.80	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	NP	16.71	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.42	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.78	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.93	0.00	101.98	86.05
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	NP	15.55	0.00	101.98	86.43
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.55	0.00	101.98	86.43
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.93	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	16.35	0.00	101.98	85.63
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.06	0.00	101.98	86.92
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.96	0.00	101.98	88.02
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	NP	15.60	0.00	101.98	86.38
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	NP	16.17	0.00	101.98	85.81
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	NP	15.52	0.00	101.98	86.46
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	NP	10.12	0.00	101.98	91.86
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	NP	16.66	0.00	101.98	85.32
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	NP	16.66	0.00	101.98	85.32
01/19/06	66	<0.32	<0.10	<0.24	<0.30	5.9	NP	9.96	0.00	101.98	92.02
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29
07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02
1/24/2007^	60	<0.32	16	3.8 J	17	<0.63	NP	14.37	0.00	149.62	135.25
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.12	0.00	149.62	135.50
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	17.06	0.00	149.62	132.56
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.50	0.00	149.62	133.12
<b>MONITORING WELL #MW-6</b> <i>Screen Interval = 7 to 27 feet</i>											
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-	-	#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-	-	#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-	-	#N/A	-	-	-

**TABLE 1**  
**GROUNDWATER DATA**  
**THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5	NP	13.60	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
04/24/07	<5.6	<0.18	<0.24	<0.21	1.5 J	5.7	NP	10.63	0.00	148.38	137.75
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.04	0.00	148.38	135.34
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.13	0.00	148.38	136.25
<b>MONITORING WELL #MW-7</b>											
03/05/07	3,110	16	<0.10	125	725	10	NP	10.84	0.00	148.20	137.36
04/24/07	15,500	42	<2.4	381	1,230	<1.9	NP	15.03	0.00	148.20	133.17
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.03	0.00	148.20	133.17
10/24/07	1,100	72	<0.24	18	1.6 J	221	NP	14.54	0.00	148.20	133.66
<b>MONITORING WELL #MW-8</b>											
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.37	0.00	147.31	134.94
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.42	0.00	147.31	133.89
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38

**NOTE:** Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007  
 ^ Top of casing elevation estimated to be 6 inches below well rim  
 NP = No free hydrocarbon product  
 " - " = Not analyzed / Not available  
 \* MTBE 8020 / 8260

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020/8021B.  
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline  
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020/8021B  
 On 10/8/03 & 7/14/2003, BTEX and MTBE analyzed by 8260B  
 Beginning 4/14/2004, BTEX and MTBE analyzed by 8260B

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
<b>MONITORING WELL # MW-1</b>						
10/16/97	<20	<20	<20	3,900		
01/07/98	<20	<20	92	<500		
04/03/98	<20	<20	65	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	15	487		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	27	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<2.9	<1.7	<2.8	121	-	-
10/25/06	<0.29	<0.17	2.4	11	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	54	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
<b>MONITORING WELL # MW-2</b>						
10/16/97	<20	<20	<20	<500		
Well Abandoned 1/30/98						
<b>MONITORING WELL # MW-3 (GROUNDWATER SYSTEM'S PUMPING WELL)</b>						
10/16/97	-	-	-	-		
01/07/98	-	-	-	-		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	24	608		
10/08/03	<0.29	<0.17	30	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	24	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	3.9	167	<20	<20
04/12/06	<0.29	<0.17	2.5	17	<20	<20
07/26/06	<0.29	<0.17	3.2	205	-	-
10/25/06	<2.9	<1.7	<2.8	<100	-	-
01/24/07	<0.29	<0.17	<0.28	70	-	-
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1790	-	-
<b>MONITORING WELL # MW-4</b>						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<2.9	<1.7	<2.8	1,340	<20	<20

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
01/19/06	<0.29	<0.17	<0.28	138	<20	<20
04/12/06	<0.29	<0.17	<0.28	163	<20	<20
07/26/06	<2.9	<1.7	16	836	-	-
10/25/06	<2.9	<1.7	18	1060	-	-
01/24/07	<0.29	<0.17	<0.28	139	-	-
04/24/07	<0.20	<0.23	11	776	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	62	-	-
<b>MONITORING WELL # MW-5</b>						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
<b>MONITORING WELL # MW-6</b>						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	2.4	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
<b>MONITORING WELL # MW-7</b>						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1120	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
<b>MONITORING WELL # MW-8</b>						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-

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

**TABLE 3**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
4/8/1991	1,669	0	-	-	<0.3	<0.3	<0.3	<0.9	-	-	1300	120	<7.5	1300	-	
4/15/1991	5,742	4,073	582	-	<0.3	<0.3	<0.3	<0.3	-	-	700	140	<15	500	-	
4/22/1991	10,240	8,571	643	-	<0.3	<0.3	<0.3	<0.9	-	-	850	100	34	860	-	
4/29/1991	15,510	13,841	753	-	<0.3	<0.3	<0.3	<0.9	-	-	220	8.4	<0.3	42	-	
5/6/1991	20,200	18,531	670	-	<0.3	<0.3	<0.3	<0.9	-	-	280	0.8	<0.3	56	-	
5/13/1991	24,430	22,761	604	-	<0.3	<0.3	<0.3	<0.9	-	-	190	5.6	<0.3	37	-	
5/20/1991	28,480	26,811	579	-	<0.3	<0.3	<0.3	<0.9	-	-	150	0.83	1.4	29	-	
5/28/1991	29,310	27,641	104	-	<0.3	<0.3	<0.3	<0.9	-	-	<0.3	<0.3	<0.3	<0.9	-	
6/3/1991	33,080	31,411	628	-	<0.3	<0.3	<0.3	<0.9	-	-	58	4	<0.3	33	-	
6/10/1991	36,939	35,270	551	-	<0.3	<0.3	<0.3	<0.9	-	-	45	<0.3	<0.3	16	-	
6/17/1991	40,673	39,004	533	-	<0.3	<0.3	<0.3	<0.9	-	-	69	4.9	0.9	21	-	
6/24/1991	44,453	42,784	540	-	<0.3	<0.3	<0.3	<0.9	-	-	5.4	2	<0.3	6.6	-	
7/1/1991	48,173	46,504	531	-	<0.5	<0.5	<1	<1	-	-	14	15	<1	9.1	-	
7/8/1991	51,681	50,012	501	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	6.9	-	
7/15/1991	55,186	53,517	501	-	<0.5	<0.5	<1	<1	-	-	<0.5	0.6	<1	6.3	-	
7/22/1991	62,150	60,481	995	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	2.6	-	
7/29/1991	62,150	60,481	-	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	1.2	19	-	
8/5/1991	63,241	61,572	156	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	<1	-	
8/12/1991	66,091	64,422	407	-	<0.5	<0.5	<1	<1	-	-	2.6	<0.5	<1	12	-	
8/19/1991	67,649	65,980	223	-	<0.5	<0.5	<1	<1	-	-	20	3.3	2.8	70	-	
8/26/1991	70,514	68,845	409	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	1.2	19	-	
9/9/1991	70,564	68,895	4	-	<0.5	<0.5	<1	<1	-	-	270	10	13	69	-	
9/16/1991	73,526	71,857	423	System shut down due to damaged compressor pump						-	-	-	-	-	-	-
10/7/1991	73,526	71,857	-	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3.8	-	
10/14/1991	74,516	72,847	141	-	<0.5	<0.5	<1	<1	-	-	60	1.1	<1	23	-	
10/21/1991	76,091	74,422	225	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	<1	-	
10/28/1991	83,242	81,573	1,022	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	14	-	
11/3/1991	83,242	81,573	-	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3.1	-	
11/11/1991	84,351	82,682	139	-	<0.5	<0.5	<1	<1	-	-	99	1.9	<1	14	-	
11/18/1991	85,647	83,978	185	-	<0.5	<0.5	<1	<1	-	-	42	1	1	10	-	
11/25/1991	89,512	87,843	552	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3.9	-	
12/3/1991	93,407	91,738	487	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3.8	-	
12/9/1991	96,210	94,541	467	-	<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	3.2	-	
12/16/1991	99,045	97,376	405	-	<0.5	<0.5	<0.5	<0.5	-	-	1.3	<0.5	<0.5	1.5	-	
12/23/1991	102,334	100,665	470	-	<0.5	<0.5	<0.5	<0.5	-	-	1.7	<0.5	<0.5	2.4	-	
12/30/1991	105,124	103,455	399	-	<0.5	<0.5	<0.5	<0.5	-	-	22.6	1.2	0.7	4.9	-	
1/15/1992	115,691	114,022	660	-	<0.5	<0.5	<0.5	<0.5	-	-	130	11	<0.5	50	-	
2/10/1992	124,846	123,177	352	-	<0.5	<0.5	<0.5	<0.5	-	-	20	0.51	<0.5	3.6	-	
3/9/1992	149,965	148,296	897	<200	<0.5	<0.5	<0.5	<0.5	-	12,000	2,100	400	170	2,100	-	
4/13/1992	166,567	166,898	531	<200	<0.5	<0.5	<0.5	<0.5	-	2,100	280	3.9	<2.5	98	-	
5/11/1992	187,170	185,501	664	<200	<0.5	0.7	<0.5	<0.5	-	<200	<0.5	<0.5	<0.5	<0.5	-	
6/8/1992	190,490	188,821	119	-	<0.5	<0.5	<0.5	<0.5	-	-	44	3.7	0.7	64	-	
7/6/1992	197,080	195,411	235	-	-	-	-	-	-	-	-	-	-	-	-	
7/13/1992	197,890	196,221	116	-	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	
7/13/1992	197,890	196,221	-	System shut down for repair of electrical motor						-	-	-	-	-	-	
8/10/1992	197,890	196,221	-	Restart the system						-	-	-	-	-	-	
8/17/1992	201,300	199,631	487	-	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-	
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<1	-	

**TABLE 3**  
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 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT							
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L		
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	-	<200	<0.5	<0.5	<0.5	<1	-		
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1	-	-	1.1	0.5	<0.5	10	-		
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<1	-	-	720	46	<10	1,700	-		
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1	-	-	400	32	<25	520	-		
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	-	9,000	1,400	330	260	1,200	-		
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1	-	-	1,100	150	7.5	1,000	-		
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1	-	7,200	1,100	100	25	780	-		
04/26/93	271,290	269,621	-	System shut down to repair													
07/15/93	272,577	270,908	16	Restart the system													
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	-	1.3	<0.5	<0.5	1.6	-		
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-		
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-	-	-		
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-		
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-	-	-		
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	<0.5	-		
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	-	430	41	36	480	-		
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.													
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	7.7	-		
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	-	170	1.5	<0.3	0.38	0.73	-		
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	46	4.1	0.5	84	-		
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	-	12,000	860	37	<13	1,600	-		
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-	<0.3	<0.3	<0.5	<0.5	-		
01/16/95	742,074	481,447	0	System shut down for repair of compressor pump													
02/06/95	742,074	481,447	-	Restart the system													
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-		
03/13/95	758,930	498,303	531	<100	<0.5	<0.5	<0.5	<1	-	1,300	<0.5	<0.5	<0.5	<1	-		
04/17/95	768,276	507,649	267	<100	<0.5	<0.5	<0.5	<1	-	6,200	410	73	97	280	-		
05/15/95	780,716	520,089	444	<100	<0.5	<0.5	<0.5	<1	-	1,300	0.6	<0.5	<0.5	<1	-		
06/12/95	784,514	523,887	136	<100	<0.5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0.5	<1	-		
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1	-	1,100	<0.5	<0.5	<0.5	<1	-		
08/14/95	795,216	534,589	39	<100	<0.5	<0.5	<0.5	<1	-	170	<0.5	<0.5	<0.5	<1	-		
09/06/95	797,631	537,004	105	<100	<0.5	<0.5	<0.5	<1	-	1,320	<0.5	<0.5	<0.5	<1	-		
10/17/95	800,316	539,889	65	<100	<0.5	<0.5	<0.5	<1	-	2,400	26	2.7	3.9	46	-		
11/20/95	806,264	545,637	175	150	<0.3	<0.3	<0.3	<0.5	-	450	0.31	<0.3	<0.3	<0.5	-		
12/11/95	809,236	548,609	142	300	<0.3	<0.3	<0.3	0.59	-	470	<0.3	<0.3	<0.3	<0.5	-		
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0.5	-	900	0.39	<0.3	<0.3	<0.5	-		
02/19/96	848,213	587,586	728	800	<0.3	0.57	<0.3	0.83	-	1700	23	3.7	<0.3	80	-		
03/19/96	849,587	588,960	47	930	<0.3	<0.3	<0.3	<0.5	-	1,600	5.5	1.4	<0.3	94	-		
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0.5	-	1,100	0.43	<0.3	<0.3	<0.5	-		
05/13/96	890,214	629,587	1,363	840	<0.3	<0.3	<0.3	<0.5	-	910	<0.3	<0.3	<0.3	<0.5	-		

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				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
05/13/96	890,214	629,587	-	System shut down for carbon change											
06/14/96	890,214	629,587	-	Restart the system											
06/18/96	890,818	630,191	151	<50	<0.3	<0.3	<0.3	<0.5	-	1,000	92	8.7	3.4	55	-
07/01/96	892,781	632,154	151	-	-	-	-	-	-	-	-	-	-	-	-
07/08/96	894,210	633,583	204	System shut down due to burglary and damaged air compressor											
08/05/96	894,210	633,583	-	Restart the system											
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5	-	3,500	160	110	220	650	-
09/23/96	899,410	638,783	78	<50	<0.3	<0.3	<0.3	<0.5	-	<50	0.49	<0.3	<0.3	<0.5	-
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	-	730	1.7	0.42	2.1	2.5	-
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	-	81	<0.3	<0.3	<0.3	<0.5	-
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0.3	<0.5	-	13,000	590	250	180	850	-
02/10/97	912,610	651,983	285	82	<0.3	0.38	<0.3	<0.5	-	700	0.92	0.75	<0.3	4.1	-
03/10/97	921,020	660,393	300	<50	<0.3	<0.3	<0.3	<0.5	-	600	<0.3	<0.3	<0.3	<0.5	-
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5	-	4,400	<0.3	<0.3	<0.3	<0.5	-
05/12/97	941,028	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	-	5,600	7.3	0.32	<0.3	17	-
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	3.4	<0.3	<0.3	26	-
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor											
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	<0.5	-	550	<0.3	<0.3	<0.3	<0.5	-
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	-	65,000	690	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-	-	-
02/09/98	-	736,247	-	System shut down due to the UST replacement and station remodeling											
02/17/98	-	736,247	-	<50	<0.3	<0.3	<0.3	<0.5	-	35,000	150	<15	<15	8,900	-
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)											
4/13 - 6/1/98	-	736,247	-	System was undergoing several maintenance / piping / hose replacement											
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	-	3,500	14	0.56	<0.3	26	-
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0.5	-	2,200	21	4	<0.3	100	-
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-	-	-
11/20/98	-	746,199	-	System shut down for flowmeter replacement											
12/01/98	0.0	746,199	-	Restart the system with flowmeter at 000											
12/31/98	5,340.0	751,539	178	-	-	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down											
1/11 - 2/1/99	-	761,219	-	System was undergoing maintenance for the compressor											
01/20/99	-	761,219	-	<50	<0.3	<0.3	<0.3	<0.5	-	110	0.43	0.42	<0.3	<0.5	260
02/01/99	15,600.0	761,799	28	Restart system											
02/12/99	22,840.0	769,039	658	-	-	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement											
03/26/99	22,840.0	769,039	-	Restart the system											
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 3**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET/ EFFLUENT						INLET/ INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<5	<50	<0.3	<0.3	<0.3	<0.5	<5
05/11/99	36,010.0	782,209	256	-	-	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000.0	792,199	714	System shut down due to carbon canister leaking											
09/02/99	46,000.0	792,199	-	Restart system											
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	11	65	<0.3	<0.3	<0.3	<0.5	120
10/21/99	47,278.0	793,477	34	System shut down for carbon change											
11/24/99	47,283.0	793,482	0	Restart system											
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	-	<50	1.3	<0.25	<0.25	<0.5	<5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	-	923	<0.6	2	85	80	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	<5	3,820	<0.3	<0.3	<0.3	<0.6	3,740
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<5	<50	<0.3	<0.3	<0.3	<0.6	<5
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). System restarted on 10/25/00 after QWS											
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	17,100	111	121	141	972	998
10/27/00	2,160	848,059	1,080	-	-	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-	-	-
11/24/00	16,580	862,459	435	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	<0.24	10,000	384	223	<0.18	1,330	11,600
02/19/01	99,640	945,539	1,128	-	-	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	475	4,040	191	4	42	38	4,990
04/13/01	169,210	1,015,109	540	Shut down system for replacement of carbon drums											
04/18/01	169,210	1,015,109	-	Restart system											
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	132	1,400	<0.18	<0.14	<0.18	<0.26	3,240
05/02/01	186,800	1,032,699	1,073	Shut down system for carbon change											
05/18/01	186,900	1,032,799	6	Restart system											
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3,100	15	<0.14	1	2	*8,510 / 5,780
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	860	<50	<0.18	<0.14	<0.18	<0.26	<0.24	748	15	<0.14	2	2.7	1,440
08/13/01	399,700	1,245,699	3,455	-	-	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	<0.24	956	1.2	<0.14	<0.18	<0.26	878
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	<0.24	232	1	1	<0.18	<0.26	363
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	<0.24	105	<0.18	<0.14	<0.18	<0.26	157
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-	-	-



**TABLE 3**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
05/06/02	895,920	1,741,819	1	System off; Restart											
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,839,639	-	-	<0.5	<0.7	<0.8	<3.3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	<0.24	Split-sample results (sample collected by us)					
06/24/02	1,001,590	1,847,489	374	-	-	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4,710	1	1.2	<0.18	2	6,980
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change											
08/16/02	1,052,820	1,898,719	-	Restart											
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)					
09/30/02	1,110,180	1,956,079	377	-	-	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	<0.24	128	<0.18	<0.14	<0.18	<0.26	95
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	<2.0	9,860	<1.4	29	14	2,420	205
01/13/03	1,189,320	2,035,219	959	Shut down for QWS											
01/15/03	1,189,320	2,035,219	-	Restart											
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off											
03/28/03	1,257,710	2,103,609	-	Restart											
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	<0.03	14,000	20	20	2.2	14	9,090
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS											
04/16/03	1,294,060	2,139,979	10	Restart											
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-	-	-
04/28/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change											
05/07/03	1,302,710	2,148,609	-	Restart											
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2,164,359	2,176	-	-	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS											
07/15/03	1,369,730	2,215,629	-	Restart											
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	<0.03	7,710	<0.04	<0.02	<0.02	<0.06	3,560
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change											

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**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
08/29/03	1,411,560	2,257,459	3	Restart	-	-	-	-	-	-	-	-	-	-	-	
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-	-	-	
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-	-	-	
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-	-	-	
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer						-	-	-	-	-	-	-
09/26/03	1,429,700	2,275,599	-	Restart	-	-	-	-	-	-	-	-	-	-	-	
09/29/03	1,430,560	2,276,459	287	-	-	-	-	-	-	-	-	-	-	-	-	
10/06/03	1,431,140	2,277,039	83	System shut down for QWS						-	-	-	-	-	-	-
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	-	-	-	-	-	-	
10/10/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	-	-	-	-	-	-	
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	<0.03	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	16,200	<0.04	4.4	4.8	46	8,700	
10/22/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	-	-	-	-	-	-	
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	<0.03	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
10/27/03	1,435,610	2,281,509	204	-	-	-	-	-	-	Split-sample results (sample collected by us)						
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-	-	-	-	-	-	
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-	-	-	
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	-	-	-	
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-	-	-	-	
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-	-	-	-	-	-	-	-	
12/17/03	1,462,410	2,308,309	511	-	-	-	-	-	-	-	-	-	-	-	-	
12/26/03	1,466,630	2,314,529	691	-	-	-	-	-	-	-	-	-	-	-	-	
12/31/03	1,469,710	2,315,609	216	-	-	-	-	-	-	-	-	-	-	-	-	
01/06/04	1,472,000	2,317,899	382	<15	<0.04	<0.02	<0.02	<0.06	<0.03	7,900	658	1,560	62	1,090	2,170	
01/14/04	1,474,650	2,320,549	331	System shut down for QWS; Restarted 1/15/04						-	-	-	-	-	-	-
01/28/04	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	<0.03	Split-sample results (sample collected by us)						
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-	-	-	-	
02/10/04	1,494,550	2,340,449	368	-	-	-	-	-	-	-	-	-	-	-	-	
02/20/04	1,498,790	2,344,689	424	-	-	-	-	-	-	-	-	-	-	-	-	
02/25/04	1,499,360	2,345,259	114	-	-	-	-	-	-	-	-	-	-	-	-	
03/03/04	1,514,700	2,360,599	2,191	-	-	-	-	-	-	-	-	-	-	-	-	
03/09/04	1,517,300	2,363,199	433	-	-	-	-	-	-	-	-	-	-	-	-	
03/17/04	1,519,100	2,364,999	225	-	-	-	-	-	-	-	-	-	-	-	-	
03/24/04	1,524,600	2,370,499	786	-	-	-	-	-	-	-	-	-	-	-	-	
04/01/04	1,529,300	2,375,199	588	-	-	-	-	-	-	-	-	-	-	-	-	
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	<0.18	1,380	113	93	16	76	191	
04/14/04	1,533,000	2,378,899	257	System shut down for QWS on 4/7; Restarted 4/14						-	-	-	-	-	-	-
04/22/04	1,576,400	2,422,299	5,425	-	-	-	-	-	-	-	-	-	-	-	-	
04/28/04	1,623,500	2,469,399	7,850	-	-	-	-	-	-	-	-	-	-	-	-	
05/06/04	1,688,920	2,514,819	5,678	-	-	-	-	-	-	-	-	-	-	-	-	
05/13/04	1,691,100	2,536,999	3,169	-	-	-	-	-	-	-	-	-	-	-	-	
05/20/04	1,726,500	2,572,399	5,057	-	-	-	-	-	-	-	-	-	-	-	-	
05/28/04	1,748,910	2,594,809	2,801	-	-	-	-	-	-	-	-	-	-	-	-	
06/04/04	1,749,320	2,595,219	59	Found system off; for replacement of on and off switch						-	-	-	-	-	-	-
06/11/04	1,749,320	2,595,219	-	Restarted	-	-	-	-	-	-	-	-	-	-	-	
06/16/04	1,751,910	2,597,809	518	-	-	-	-	-	-	-	-	-	-	-	-	
06/22/04	1,753,550	2,599,449	273	-	-	-	-	-	-	-	-	-	-	-	-	

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
07/02/04	1,756,530	2,602,429	298	-	-	-	-	-	-	-	-	-	-	-	-	
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	<0.18	652	31	<0.32	<0.31	2.1J	383	
07/15/04	1,759,260	2,605,159	21	-	-	-	-	-	-	-	-	-	-	-	-	
07/22/04	1,760,630	2,606,529	196	-	-	-	-	-	-	-	-	-	-	-	-	
07/28/04	1,762,810	2,608,709	363	Shut down system for carbon change						-	-	-	-	-	-	-
08/05/04	1,762,810	2,608,709	-	Restarted						-	-	-	-	-	-	-
08/12/04	1,765,370	2,611,269	366	-	-	-	-	-	-	-	-	-	-	-	-	
08/20/04	1,767,950	2,613,849	323	-	-	-	-	-	-	-	-	-	-	-	-	
08/27/04	1,771,100	2,616,999	450	-	-	-	-	-	-	-	-	-	-	-	-	
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-	-	-	-	-	-	-	-	
09/07/04	1,777,590	2,623,489	960	-	-	-	-	-	-	-	-	-	-	-	-	
09/10/04	1,778,460	2,624,359	290	Shut down system due to operator vacation						-	-	-	-	-	-	-
09/29/04	1,778,460	2,624,359	-	Restarted						-	-	-	-	-	-	-
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<0.18	<15	<0.22	<0.32	<0.31	<0.4	20	
10/12/04	1,782,540	2,628,439	547	Shut down system for QWS						-	-	-	-	-	-	-
10/21/04	1,782,680	2,628,579	16	Restarted						-	-	-	-	-	-	-
10/27/04	1,784,630	2,630,529	325	-	-	-	-	-	-	-	-	-	-	-	-	
11/03/04	1,784,680	2,630,579	7	-	-	-	-	-	-	-	-	-	-	-	-	
11/11/04	1,787,490	2,633,389	351	-	-	-	-	-	-	-	-	-	-	-	-	
11/19/04	1,789,350	2,635,249	233	-	-	-	-	-	-	-	-	-	-	-	-	
12/01/04	1,789,800	2,635,699	38	-	-	-	-	-	-	-	-	-	-	-	-	
12/10/04	1,792,780	2,638,679	331	-	-	-	-	-	-	-	-	-	-	-	-	
12/15/04	1,795,460	2,641,359	536	-	-	-	-	-	-	-	-	-	-	-	-	
12/22/04	1,798,000	2,643,899	363	-	-	-	-	-	-	-	-	-	-	-	-	
12/29/04	1,800,580	2,646,479	369	-	-	-	-	-	-	-	-	-	-	-	-	
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0.31	<0.4	<0.18	291	9.1	<0.32	1.2 J	<0.4	72	
01/13/05	1,803,290	2,649,189	19	System turned off for QWS on 1/5/05; Restarted on 1/13/05						-	-	-	-	-	-	-
01/20/05	1,804,020	2,649,919	104	Shut down system for repair and upgrade						-	-	-	-	-	-	-
04/30/05	1,804,020	2,649,919	-	System still off pending repairs and upgrade						-	-	-	-	-	-	-
05/10/05	1,804,020	2,649,919	-	Restarted system with MW-3 only						-	-	-	-	-	-	-
05/20/05	1,805,010	2,650,909	99	Added MW-4 to the system						-	-	-	-	-	-	-
05/26/05	1,807,630	2,653,529	437	-	-	-	-	-	-	-	-	-	-	-	-	
06/03/05	1,812,100	2,657,999	559	-	-	-	-	-	-	-	-	-	-	-	-	
06/10/05	1,816,540	2,662,439	634	-	-	-	-	-	-	-	-	-	-	-	-	
06/17/05	1,819,870	2,665,769	476	Compressor needs repair						-	-	-	-	-	-	-
06/24/05	1,823,140	2,669,039	467	Replace with new pump MW-3						-	-	-	-	-	-	-
06/29/05	1,827,540	2,673,439	880	-	-	-	-	-	-	-	-	-	-	-	-	
07/08/05	1,829,830	2,675,729	254	-	-	-	-	-	-	-	-	-	-	-	-	
07/14/05	1,829,970	2,675,869	23	<2.9	<0.17	<0.22	<0.14	<0.38	-	4,270	130	3.6 J	348	188	2,790	
07/22/05	1,832,760	2,678,659	349	-	-	-	-	-	-	-	-	-	-	-	-	
07/26/05	1,833,920	2,679,819	290	Shut down system for QWS						-	-	-	-	-	-	-
08/05/05	1,833,970	2,679,869	5	Restart system after QWS						-	-	-	-	-	-	-
08/09/05	1,836,930	2,682,829	740	-	-	-	-	-	-	-	-	-	-	-	-	
08/19/05	1,837,560	2,683,459	63	-	<0.10	<0.15	<0.06	<0.40	-	Split-sample results during EBMUD inspection & sampling						
08/25/05	1,837,920	2,683,819	60	Shut down system for carbon change						-	-	-	-	-	-	-
09/01/05	1,837,980	2,683,879	9	Restarted						-	-	-	-	-	-	-
09/09/05	1,838,530	2,684,429	69	-	-	-	-	-	-	-	-	-	-	-	-	
09/16/05	1,841,230	2,687,129	386	-	-	-	-	-	-	-	-	-	-	-	-	

**TABLE 3**  
**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
09/23/05	1,843,410	2,689,309	311	-	-	-	-	-	-	-	-	-	-	-	-
09/30/05	1,844,820	2,690,719	201	-	-	-	-	-	-	-	-	-	-	-	-
10/06/05	1,845,250	2,691,149	72	<2.9	<0.10	<0.15	<0.06	<0.40	-	2,410	<3.2	<1.0	28 J	<3.0	1,990
10/11/05	1,846,030	2,691,929	156	System turned off for QWS on 10/11/05; Restarted on 10/14/05											
10/14/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/16/05	1,846,590	2,692,489	187	-	<0.10	<0.15	<0.06	<0.40	-	Split-sample results during EBMUD inspection & sampling					
10/21/05	1,847,810	2,693,709	174	-	-	-	-	-	-	-	-	-	-	-	-
11/02/05	1,849,720	2,695,619	159	-	-	-	-	-	-	-	-	-	-	-	-
11/08/05	-	-	-	-	<0.05	0.62	<0.08	<0.33	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
11/10/05	1,850,760	2,696,659	130	-	-	-	-	-	-	-	-	-	-	-	-
11/17/05	1,851,420	2,697,319	94	-	-	-	-	-	-	-	-	-	-	-	-
11/23/05	1,854,560	2,700,459	523	-	-	-	-	-	-	-	-	-	-	-	-
11/30/05	1,856,650	2,702,549	299	-	-	-	-	-	-	-	-	-	-	-	-
12/09/05	1,858,340	2,704,239	188	-	-	-	-	-	-	-	-	-	-	-	-
12/15/05	1,859,780	2,705,679	240	-	-	-	-	-	-	-	-	-	-	-	-
12/22/05	1,860,420	2,706,319	91	-	-	-	-	-	-	-	-	-	-	-	-
12/30/05	1,862,470	2,708,369	256	-	-	-	-	-	-	-	-	-	-	-	-
01/06/06	1,866,760	2,712,659	613	-	-	-	-	-	-	-	-	-	-	-	-
01/11/06	1,867,740	2,713,639	196	698	<0.32	<0.10	<0.24	<0.30	-	6,120	210	<0.10	419	130	649
01/18/06	1,870,240	2,716,139	357	Shut down system for QWS and carbon change											
01/27/06	1,870,280	2,716,179	4	Restarted after QWS and carbon change											
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
02/01/06	1,870,530	2,716,429	50	-	<0.17	<0.22	<0.14	<0.38	-	Split-sample results during EBMUD inspection & sampling					
02/10/06	1,877,370	2,723,269	760	-	-	-	-	-	-	-	-	-	-	-	-
02/17/06	1,879,230	2,725,129	266	-	-	-	-	-	-	-	-	-	-	-	-
02/24/06	1,880,710	2,726,609	211	-	-	-	-	-	-	-	-	-	-	-	-
03/01/06	1,882,270	2,728,169	312	-	-	-	-	-	-	-	-	-	-	-	-
03/10/06	1,889,370	2,735,269	789	-	-	-	-	-	-	-	-	-	-	-	-
03/17/06	1,889,660	2,735,559	41	-	-	-	-	-	-	-	-	-	-	-	-
03/21/06	1,890,930	2,736,829	318	-	-	-	-	-	-	-	-	-	-	-	-
03/29/06	1,891,880	2,737,779	119	-	-	-	-	-	-	-	-	-	-	-	-
04/05/06	1,893,340	2,739,239	209	<5.6	<0.32	<0.10	<0.24	<0.30	-	1,520	72	<0.10	199	28	129
04/11/06	1,895,480	2,741,379	357	-	-	-	-	-	-	-	-	-	-	-	-
04/11/06	-	2,741,379	-	Shut down system for QWS											
04/14/06	1,895,490	2,741,389	3	Restart sytem after QWS											
04/21/06	1,897,130	2,743,029	234	-	-	-	-	-	-	-	-	-	-	-	-
04/26/06	1,898,330	2,744,229	240	-	-	-	-	-	-	-	-	-	-	-	-
05/03/06	1,900,240	2,746,139	273	-	-	-	-	-	-	-	-	-	-	-	-
05/12/06	1,903,700	2,749,599	384	-	-	-	-	-	-	-	-	-	-	-	-
05/19/06	1,905,570	2,751,469	267	-	-	-	-	-	-	-	-	-	-	-	-
05/23/06	1,907,810	2,753,709	560	<5.6	<0.32	<0.10	<0.24	<0.30	-	683,000	3,600	135,000	25,100	165,000	-
05/26/06	1,909,780	2,755,679	657	-	-	-	-	-	-	-	-	-	-	-	-
06/02/06	1,911,010	2,756,909	176	-	-	-	-	-	-	-	-	-	-	-	-
06/09/06	1,912,670	2,758,569	237	-	-	-	-	-	-	77,300	668	19,300	1,660	8,800	-
06/16/06	1,914,330	2,760,229	237	-	-	-	-	-	-	-	-	-	-	-	-
06/23/06	1,917,210	2,763,109	411	-	-	-	-	-	-	-	-	-	-	-	-
06/27/06	1,919,740	2,765,639	633	-	-	-	-	-	-	-	-	-	-	-	-
07/06/06	1,921,470	2,767,369	192	3,730	44	874	26	503	16	4,450	8.6 J	99	34 J	149	2,780

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**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
07/14/06	1,921,980	2,767,879	64	-	-	-	-	-	-	-	-	-	-	-	-	
07/18/06	1,922,070	2,767,989	23	Shut down system for carbon change						-	-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	System restarted after carbon change						-	-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	<5.6	<0.32	<0.10	<0.24	<0.30	-	763	<0.32	<0.10	<0.24	<0.30	1040	
08/18/06	1,928,690	2,774,589	471	-	-	-	-	-	-	-	-	-	-	-	-	
08/25/06	1,929,580	2,775,479	127	-	-	-	-	-	-	-	-	-	-	-	-	
09/01/06	1,932,440	2,778,339	409	-	-	-	-	-	-	-	-	-	-	-	-	
09/08/06	1,936,240	2,782,139	543	-	-	-	-	-	-	-	-	-	-	-	-	
09/14/06	1,938,420	2,784,319	363	-	-	-	-	-	-	-	-	-	-	-	-	
09/20/06	1,939,710	2,785,609	215	-	-	-	-	-	-	-	-	-	-	-	-	
10/04/06	1,942,100	2,787,999	171	<5.6	<0.32	<0.10	<0.24	1.1 J	-	14,400	78	1,110	440	1,440	1,420	
10/13/06	1,945,320	2,791,219	358	-	-	-	-	-	-	-	-	-	-	-	-	
10/19/06	1,947,230	2,793,129	318	-	-	-	-	-	-	-	-	-	-	-	-	
10/24/06	1,948,670	2,794,569	288	Shut down system for QWS						-	-	-	-	-	-	-
10/27/06	1,948,670	2,794,569	-	Restart sytem after QWS						-	-	-	-	-	-	-
11/01/06	1,949,120	2,795,019	90	-	-	-	-	-	-	-	-	-	-	-	-	
11/09/06	1,951,030	2,796,929	239	-	-	-	-	-	-	-	-	-	-	-	-	
11/16/06	1,951,817	2,797,716	112	-	-	-	-	-	-	-	-	-	-	-	-	
11/22/06	1,952,010	2,797,909	32	-	-	-	-	-	-	-	-	-	-	-	-	
11/30/06	1,956,730	2,802,629	590	Shut down system for maintenance						-	-	-	-	-	-	-
12/01/06	1,956,730	2,802,629	-	Restarted system						-	-	-	-	-	-	-
12/07/06	1,958,510	2,804,409	297	-	-	-	-	-	-	-	-	-	-	-	-	
12/12/06	1,959,720	2,805,619	242	Shut down system due to operator vacation						-	-	-	-	-	-	-
01/03/07	1,959,230	2,805,129	(22)	Restarted system						-	-	-	-	-	-	-
01/05/07	1,959,670	2,805,569	220	-	-	-	-	-	-	-	-	-	-	-	-	
01/11/07	1,961,280	2,807,179	268	-	-	-	-	-	-	-	-	-	-	-	-	
01/18/07	1,963,200	2,809,099	274	System shut down for QWS						-	-	-	-	-	-	-
01/24/07	1,963,200	2,809,099	-	<5.6	<0.17	<0.22	<0.14	<0.38	-	8,920	<1.6	115	91	612	68	
01/25/07	1,963,860	2,809,759	660	-	-	-	-	-	-	-	-	-	-	-	-	
02/02/07	1,967,120	2,813,019	408	-	-	-	-	-	-	-	-	-	-	-	-	
02/06/07	1,969,320	2,815,219	550	-	-	-	-	-	-	-	-	-	-	-	-	
02/16/07	1,971,040	2,816,939	172	-	-	-	-	-	-	-	-	-	-	-	-	
02/19/07	1,971,760	2,817,659	240	-	-	-	-	-	-	-	-	-	-	-	-	
02/28/07	1,978,320	2,824,219	729	-	-	-	-	-	-	-	-	-	-	-	-	
03/16/07	1,983,620	2,829,519	331	-	-	-	-	-	-	-	-	-	-	-	-	
03/23/07	1,985,120	2,831,019	214	-	-	-	-	-	-	-	-	-	-	-	-	
03/30/07	1,987,330	2,833,229	316	-	-	-	-	-	-	-	-	-	-	-	-	
04/05/07	1,989,120	2,835,019	298	-	-	-	-	-	-	-	-	-	-	-	-	
04/12/07	1,991,300	2,837,199	311	<5.6	<0.17	<0.22	<0.14	<0.38	-	6,640	43	916	296	1,810	199	
04/20/07	1,992,720	2,838,619	178	Shut down system for QWS						-	-	-	-	-	-	-
04/27/07	1,992,730	2,838,629	1	Restart system after QWS						-	-	-	-	-	-	-
05/03/07	1,994,500	2,840,399	295	-	-	-	-	-	-	-	-	-	-	-	-	
05/10/07	2,002,410	2,848,309	1,130	-	-	-	-	-	-	-	-	-	-	-	-	
05/17/07	2,004,320	2,850,219	273	-	-	-	-	-	-	-	-	-	-	-	-	
05/25/07	2,004,810	2,850,709	61	-	-	-	-	-	-	-	-	-	-	-	-	
06/01/07	2,005,210	2,851,109	59	-	-	-	-	-	-	-	-	-	-	-	-	
06/14/07	2,006,540	2,852,439	87	-	-	-	-	-	-	-	-	-	-	-	-	

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**GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM**  
 Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
06/19/07	2,008,320	2,854,219	173	-	-	-	-	-	-	-	-	-	-	-	-	
06/21/07	2,008,740	2,854,639	314	-	-	-	-	-	-	15,800	186	1,890	410	2,060	97	
06/29/07	2,016,480	2,862,379	816	-	-	-	-	-	-	-	-	-	-	-	-	
07/06/07	2,014,260	2,860,159	368	-	-	-	-	-	-	-	-	-	-	-	-	
07/13/07	2,013,420	2,859,319	(219)	-	-	-	-	-	-	-	-	-	-	-	-	
07/20/07	2,015,230	2,861,129	69	-	-	-	-	-	-	-	-	-	-	-	-	
07/24/07	2,015,620	2,861,519	200	Shut down system for QWS						-	-	-	-	-	-	-
07/27/07	2,015,670	2,861,569	63	Restart sytem after QWS						-	-	-	-	-	-	-
08/03/07	2,016,310	2,862,209	69	-	-	-	-	-	-	-	-	-	-	-	-	
08/10/07	2,017,430	2,863,329	126	-	-	-	-	-	-	-	-	-	-	-	-	
08/17/07	2,017,960	2,863,859	118	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-	
08/24/07	2,018,100	2,863,999	48	-	-	-	-	-	-	-	-	-	-	-	-	
08/31/07	2,018,210	2,864,109	18	-	-	-	-	-	-	-	-	-	-	-	-	
09/07/07	2,018,630	2,864,529	38	Shut down system for repairs						-	-	-	-	-	-	-
09/14/07	2,019,810	2,865,709	114	Restart system						-	-	-	-	-	-	-
09/21/07	2,027,200	2,873,099	612	-	-	-	-	-	-	-	-	-	-	-	-	
09/28/07	2,031,500	2,877,399	835	-	-	-	-	-	-	-	-	-	-	-	-	
10/05/07	2,038,620	2,884,519	816	-	-	-	-	-	-	-	-	-	-	-	-	
10/12/07	2,042,100	2,887,999	757	-	-	-	-	-	-	-	-	-	-	-	-	
10/19/07	2,049,120	2,895,019	750	-	-	-	-	-	-	-	-	-	-	-	-	
10/23/07	2,051,240	2,897,139	831	Shut down system for QWS						-	-	-	-	-	-	-
10/26/07	2,053,410	2,899,309	613	Restart sytem after QWS						-	-	-	-	-	-	-
11/06/07	2,054,180	2,900,079	210	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-	
11/20/07	2,075,400	2,921,299	880	<5.6	<0.15	<0.12	<0.09	<0.26	-	2,240	84	<0.24	46	5.7	194	
11/30/07	2,082,110	2,928,009	1,164	-	-	-	-	-	-	-	-	-	-	-	-	
12/14/07	2,086,930	2,932,829	480	-	-	-	-	-	-	-	-	-	-	-	-	
12/21/07	2,091,340	2,937,239	440	-	-	-	-	-	-	-	-	-	-	-	-	

<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 8020 / 8260

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

## ***FIGURES***

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA  
TION  
COMPOUND

STA #063  
BLDG

MW-5

B-4

DISPENSER  
ISLAND

EXISTING  
UST

MW-3

B-3

MW-4

B-1

MW-2

MW-6

B

B-2  
MW-1

MW-7

6101  
TELEGRAPH AVE.

COMMERCIAL

MW-8

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊖ ABANDONED GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING

61ST STREET

0 30  
APPROXIMATE SCALE  
IN FEET



**EQUIPOISE**  
CORPORATION

1401 North El Camino Real, Suite 107  
San Clemente, California 92672  
Phone: 949 366 0275  
Fax: 949 366 0281

SITE PLAN

Thrifty Station No. 063  
6125 Telegraph Avenue  
Oakland, California

FIGURE:	1
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO.



RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA  
TION  
COMPOUND

STA #063  
BLDG

MW-5\*  
133.12

DISPENSER  
ISLAND

133.51  
MW-3

MW-4  
133.71

EXISTING  
UST

MW-2

MWV-6  
136.25

MWV-1  
134.17

134.50

135.00

136.00

6101  
TELEGRAPH AVE.

MW-7  
133.66

RESIDENTIAL

COMMERCIAL

MW-8  
134.38

61ST STREET

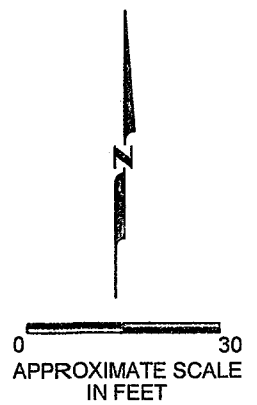
TELEGRAPH AVENUE

**EXPLANATION**

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊙ ABANDONED GROUNDWATER MONITORING WELL
- \* ANOMALOUS DATA - NOT USED IN CONTOURING

Groundwater is being extracted from wells MWV-3 and MWV-4.

4TH QUARTER 2007 MONITORING EVENT



**EQUIPOISE**  
CORPORATION

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**GROUNDWATER CONTOUR MAP**

Thrifty Station No. 063  
6125 Telegraph Avenue  
Oakland, California

FIGURE:	<b>2</b>
SHEET:	of
REVISION NO.:	0
DATE:	12/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA  
TION  
COMPOUND

STA #063  
BLDG

MW-5  
ND<5.6

DISPENSER  
ISLAND

MW-3  
2,100

MW-4  
106

MW-2

MW-6  
ND<5.6

MW-7  
1,100  
1,000  
100

MW-1  
ND<5.6

6101  
TELEGRAPH AVE.

COMMERCIAL

MW-8  
ND<5.6

RESIDENTIAL

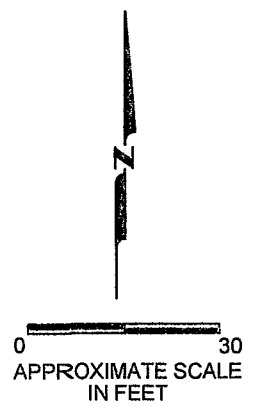
TELEGRAPH AVENUE

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊙ ABANDONED GROUNDWATER MONITORING WELL

61ST STREET

4TH QUARTER 2007 MONITORING EVENT



**EQUIPOISE** CORPORATION  
 1401 North El Camino Real, Suite 107  
 San Clemente, California 92672  
 Phone: 949 368 0275  
 Fax: 949 368 0281

TPHg CONCENTRATION RESULTS

Thrifty Station No. 063  
 6125 Telegraph Avenue  
 Oakland, California

FIGURE: **3**  
 SHEET: of  
 REVISION NO: 0  
 DATE: 12/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA  
TION  
COMPOUND

STA #063  
BLDG

MW-5  
ND<0.18

DISPENSER  
ISLAND

120  
MW-3  
120

MW-4  
13

MW-1  
ND<0.18

MW-2

MW-6  
ND<0.18

MW-7  
72  
10

6101  
TELEGRAPH AVE.

COMMERCIAL

MW-8  
ND<0.18

RESIDENTIAL

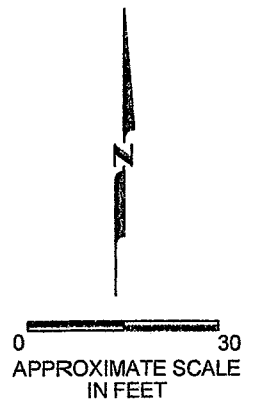
TELEGRAPH AVENUE

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊖ ABANDONED GROUNDWATER MONITORING WELL

61ST STREET

4TH QUARTER 2007 MONITORING EVENT



**EQUIPOISE**  
CORPORATION

1401 North El Camino Real, Suite 107  
San Clemente, California 92672  
Phone: 949 368 0275  
Fax: 949 368 0281

**BENZENE CONCENTRATION RESULTS**

Thrifty Station No. 063  
6125 Telegraph Avenue  
Oakland, California

FIGURE:	<b>4</b>
SHEET:	of
REVISION NO.:	0
DATE:	12/07

PROJECT NO. -

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA  
TION  
COMPOUND

STA #063  
BLDG

MW-5  
ND<0.19

DISPENSER  
ISLAND

MW-3  
499

MW-4  
44

MW-1  
ND<0.19

MW-2

MW-6  
ND<0.19

MW-7  
221

6101  
TELEGRAPH AVE.

MW-8  
ND<0.19 COMMERCIAL

RESIDENTIAL

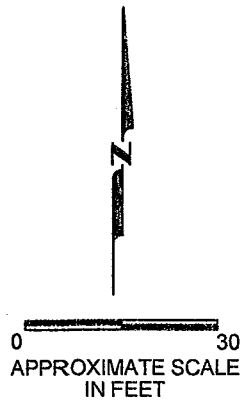
TELEGRAPH AVENUE

61ST STREET

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊕ ABANDONED GROUNDWATER MONITORING WELL

4TH QUARTER 2007 MONITORING EVENT



**EQUIPOISE**  
CORPORATION

1401 North El Camino Real, Suite 107  
San Clemente, California 92672  
Phone: 949 366 0275  
Fax: 949 366 0281

MTBE ISOCONCENTRATION MAP

Thrifty Station No. 063  
6125 Telegraph Avenue  
Oakland, California

FIGURE:	<b>5</b>
SHEET:	of
REVISION NO.:	0
DATE:	12/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIAION  
COMPOUND

STA #063  
BLDG

MW-5  
ND<10

DISPENSER  
ISLAND

MW-3  
1,790

MW-4  
62

MW-1  
ND<10

MW-2

MW-6  
ND<10

EXISTING  
UST

MW-7  
1,120

100  
10

6101  
TELEGRAPH AVE.

MW-8  
ND<10

COMMERCIAL

RESIDENTIAL

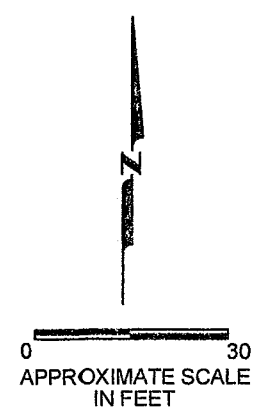
TELEGRAPH AVENUE

**EXPLANATION**

- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊙ ABANDONED GROUNDWATER MONITORING WELL

4TH QUARTER 2007 MONITORING EVENT

61ST STREET



**EQUIPOISE** CORPORATION  
 1401 North El Camino Real, Suite 107  
 San Clemente, California 92672  
 Phone: 949 366 0275  
 Fax: 949 366 0281

**TBA ISOCONCENTRATION MAP**

Thrifty Station No. 063  
 6125 Telegraph Avenue  
 Oakland, California

FIGURE:	<b>6</b>
SHEET:	of
REVISION NO.:	<b>0</b>
DATE:	<b>12/07</b>

PROJECT NO.

# ***APPENDIX A***

**PROJECT STATUS REPORT**

**ARTH MANAGEMENT CO.**

Environmental Remediation

SITE: THRIFTY OIL CO. #063  
 ADDRESS: 5125 TELEGRAPH AVE  
OAKLAND, CA 94609

DATE: 10.24.2007

PERSONNEL: SERBATA P

WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL)		COMMENT
							EST.	ACT.	
MONTHLY/QUARTERLY									
MW-1		14.26	22.94			2"	7	7	
<del>MW-2</del>									ABANDONED
MW-3		15.43	28.20			6"	56	56	
MW-4		15.17	24.07			2"	7	7	
MW-5		16.50	26.23			4"	19	19	
MW-6		12.23	26.80			4"	28	28	
MW-7		14.54	17.45			2"	2	2	
MW-8		12.93	18.24			2"	3	3	

FREE PRODUCT REMOVED: APPROX. \_\_\_\_\_ GALLONS      PURGE-WATER REMOVED: APPROX. \_\_\_\_\_ GALLONS

REMARKS: MONITORED WELLS AND TAKE WATER SAMPLES

EXPLANATION: DTP=DEPTH TO PRODUCT, DTW=DEPTH TO WATER, DTB=DEPTH TO BOTTOM, ALL MEASURED FROM TOP OF CASING  
 PT= PRODUCT THICKNESS, WC= WATER COLUMN, DIA= DIAMETER, EST=ESTIMATE, ACT= ACTUAL, FT= FEET, GAL= GALLONS  
 REV: 8/28/02



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10-24-2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-1**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

**Purging Equipment:**  
 Bailor  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailor  Vacuum Truck  Extraction Pump  Other

**Sampling Equipment:**  
 Disposable Bailor  
 Other

**Monitoring Eq.:** Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:00** Well casing dia. (in) **2** Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol.	0.12	0.49	1.96	4.40	17.62
Borehole Vol.	0.40	0.77	1.51	2.57	7.71

Total Well Depth (ft): **28.44** Depth To Product (ft):   
 Depth To Water (ft): **14.26** Product Thickness (ft):   
 Water Column (ft): **14.68**

Note for borehole volume, add 1/2 BH vol for each subsequent passes

Purge Vol Calculation:  Casing Vol.  Borehole Vol. (SD) **14.68 x 0.49 = 7**

Estimated Purge Volume (gal) : **7**  
water column multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
9:25							
9:28	3	3	71.3	6.02	986	CLEAR	
9:30	2	2	71.4	6.01	972	CLEAR	
9:32	2	2	71.2	6.06	970	CLEAR	
DTW immed. after purge (ft): <b>15.20</b>		Actual purged volume (gal): <b>7</b>		Avg Purge Rate (gpm): <b>1.</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = [ \frac{14.68}{\text{Water Column}} ] \times 0.20 + [ \frac{14.26}{\text{DTW Initial}} ] = 17.14 \text{ ft}$

Max Drawdown (SD):  $80\% \text{ Recovery} = ( [ \quad ] - [ \quad ] ) \times 0.20 + [ \quad ] = \quad \text{ft}$

DTW after purge DTW Initial DTW initial

## SAMPLING DATA

Date: **10.24.07** Time: **12:35** am / pm

Depth To Water Before Sampling (ft): **17:03** Notes:

pH (if required):  D.O. (if required):  O.R.P. (if required):

Comments:





# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-6**

Personnel: **SERBAN P-** Weather: **SUNNY DAY**

Purging Equipment:  
 Bailor  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailor  Vacuum Truck  Extraction Pump  Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:15** Well casing dia. (in): **4** Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.62
Borehole Vol	0.40	0.77	1.51	2.57	7.71

Total Well Depth (ft): **26.80** Depth To Product (ft):  Note for borehole volume, add 1/2 BH vol for each subsequent passes

Depth To Water (ft): **12.53** Product Thickness (ft):

Water Column (ft): **14.27** Purge Vol Calculation:  Casing Vol.  Borehole Vol. (SD)

Estimated Purge Volume (gal): **14.27 x 1.96 = 28**  
water column multiplier

## PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:40							
9:45	5	5	21.3	6.03	1110	CLEAR	
9:50	5	5	21.4	5.83	1320	CLEAR	
9:55	5	5	21.3	5.81	1340	CLEAR	
10:00	5	5	21.6	5.62	1340	CLEAR	
10:08	8	8	21.4	5.62	1340	CLEAR	
DTW immed. after purge (ft):		<b>14.11</b>	Actual purged volume (gal):		<b>28</b>	Avg Purge Rate (gpm): <b>1</b>	

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[ \text{Water Column} \times 0.20 + [ \text{DTW Initial} ] ] = 15.38$  ft

Max Drawdown (SD): 80% Recovery =  $( [ \text{DTW after purge} ] - [ \text{DTW Initial} ] ) \times 0.20 + [ \text{DTW Initial} ] =$  \_\_\_\_\_ ft

## SAMPLING DATA

Date: **10.24.07** Time: **12:45** am / pm

pH (if required): \_\_\_\_\_ D.O. (if required): \_\_\_\_\_ O.R.P. (if required): \_\_\_\_\_

Depth To Water Before Sampling (ft): **15.07** Notes: \_\_\_\_\_

Comments: \_\_\_\_\_



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-5**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

**Purging Equipment:**  
 Bailor  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailor  Vacuum Truck  Extraction Pump  Other

**Sampling Equipment:**  
 Disposable Bailor  
 Other

**Monitoring Eq.:** Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement:	<b>8:30</b>	Well casing dia. (in)	<b>4</b>	<b>Multipliers for purge volume estimation:</b> <small>Note for borehole volume, add 1/2 BH vol for each subsequent passes</small>	Well Dia	1"	2"	4"	6"	12"
Total Well Depth (ft):	<b>26.23</b>	Depth To Product (ft)			3 Casing Vol.	0.12	0.49	1.96	4.40	17.62
Depth To Water (ft):	<b>16.50</b>	Product Thickness (ft)			Borehole Vol.	0.40	0.77	1.51	2.57	7.71
Water Column (ft):	<b>9.73</b>	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)			<b>Estimated Purge Volume (gal) :</b>					

**9.73 x 1.96 = 19**  
water column multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations	
(hh:mm)	(min)							
10:20								
10:24	4	4	71.2	6.03	1340	CLEAR		
10:28	4	4	71.4	6.04	1340	CLEAR		
10:32	4	4	71.3	6.11	1340	CLEAR		
10:36	4	4	71.6	6.18	2410	CLEAR		
10:39	3	3	71.4	6.21	1410	CLEAR		
DTW immed. after purge (ft):		<b>17.20</b>	Actual purged volume (gal):		<b>19</b>	Avg Purge Rate (gpm):		<b>1</b>

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = [9.73] \times 0.20 + [16.50] = 18.14 \text{ ft}$   
Water Column DTW Initial

Max Drawdown (SD):  $80\% \text{ Recovery} = ([ ] - [ ] ) \times 0.20 + [ ] = \text{ } \text{ft}$   
DTW after purge DTW Initial DTW Initial

## SAMPLING DATA

Date: **10.24.07** Time: **12:55** am / pm

pH (if required):  D.O. (if required):  O.R.P. (if required):

Depth To Water Before Sampling (ft): **18.00** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-3**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

**Purging Equipment:**  
 Bailor     Diaphragm Pump     Electric submersible     Pneumatic submersible  
 Disposable Bailor     Vacuum Truck     Extraction Pump     Other

**Sampling Equipment:**  
 Disposable Bailor  
 Other

**Monitoring Eq.:** Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:40** Well casing dia. (in): **6** Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol.	0.12	0.49	1.96	4.40	17.62
Borehole Vol.	0.40	0.77	1.51	2.57	7.71

Total Well Depth (ft): **28.20** Depth To Product (ft):  Note for borehole volume, add 1/2 BH vol for each subsequent passes

Depth To Water (ft): **15.43** Product Thickness (ft):

Water Column (ft): **12.77** Purge Vol Calculation:  Casing Vol.     Borehole Vol. (SD)

**Estimated Purge Volume (gal) :**  $12.77 \times 4.40 = 56$   
water column multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations	
(hh:mm)	(min)							
10:50		57.82						
11:04	14	14	71.4	6.06	1230	CLEAR		
11:18	14	14	71.3	5.83	1270	CLEAR		
11:32	14	14	71.2	5.62	1310	CLEAR		
11:46	14	14	71.2	5.72	1310	CLEAR		
DTW immed. after purge (ft):		15.18	Actual purged volume (gal):		56	Avg Purge Rate (gpm):		1

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[12.77] \times 0.20 + [15.43] = 17.98$  ft  
Water Column DTW initial

Max Drawdown (SD): 80% Recovery =  $([ ] - [ ] ) \times 0.20 + [ ] =$  ft  
DTW after purge DTW initial DTW initial

## SAMPLING DATA

Date: **10.24.07** Time: **13:50** am / pm

pH (if required):  D.O. (if required):  O.R.P. (if required):

Depth To Water Before Sampling (ft): **18.01** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-4**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

Purging Equipment:  
 Bailor  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailor  Vacuum Truck  Extraction Pump  Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:50** Well casing dia. (in) **2** Multipliers for purge volume estimation:  
 Total Well Depth (ft): **29.07** Depth To Product (ft):  Note for borehole volume, add 1/2 BH vol for each subsequent passes  
 Depth To Water (ft): **15.17** Product Thickness (ft):   
 Water Column (ft): **13.90**

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.62
Borehole Vol	0.40	0.77	1.51	2.57	7.71

Estimated Purge Volume (gal): **13.90 x 0.49 = 6.81**  
water column multiplier

Purge Vol Calculation:  Casing Vol.  Borehole Vol. (SD)

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:00							
12:02	2	2	71.3	5.63	1210	CLEAR	
12:04	2	2	71.1	5.77	1360	CLEAR	
12:07	3	3	71.1	5.82	1360	CLEAR	
DTW immed. after purge (ft):		Actual purged volume (gal): <b>7</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[(13.90) \times 0.20 + (15.17)] = 17.45$  ft  
Water Column DTW Initial

Max Drawdown (SD): 80% Recovery =  $([ ] - [ ] \times 0.20 + [ ]) =$  ft  
DTW after purge DTW Initial DTW initial

## SAMPLING DATA

Date: **10.24.07** Time: **14:10** am / pm

pH (if required):  D.O. (if required):  O.R.P. (if required):

Depth To Water Before Sampling (ft): **17.26** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-7**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

**Purging Equipment:**  
 Bailor  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailor  Vacuum Truck  Extraction Pump  Other

**Sampling Equipment:**  
 Disposable Bailor  
 Other

**Monitoring Eq.:** Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **9:00** Well casing dia. (in): **2**  
 Total Well Depth (ft): **17.65** Depth To Product (ft):  
 Depth To Water (ft): **14.54** Product Thickness (ft):  
 Water Column (ft): **2.91**

Multipiers for purge volume estimation:  

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol.	0.12	0.49	1.96	4.40	17.62
Borehole Vol.	0.40	0.77	1.51	2.57	7.71

 Note for borehole volume, add 1/2 BH vol for each subsequent passes

**Estimated Purge Volume (gal):**  
 $2.91 \times 0.49 = 2.0$   
water column multiplier

Purge Vol Calculation:  Casing Vol.  Borehole Vol. (SD)

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations	
(hh:mm)	(min)							
12:15		START PURGING						
12:17	2	2	71.4	5.83	986	CLEAR		
DTW immed. after purge (ft):		<b>14.50</b>	Actual purged volume (gal):		<b>2</b>	Avg Purge Rate (gpm):		<b>1</b>

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = [ \underset{\text{Water Column}}{2.91} ] \times 0.20 + [ \underset{\text{DTW Initial}}{14.54} ] = 16.12 \text{ ft}$   
 Max Drawdown (SD):  $80\% \text{ Recovery} = ( [ \quad ] - [ \underset{\text{DTW Initial}}{\quad} ] ) \times 0.20 + [ \underset{\text{DTW Initial}}{\quad} ] = \quad \text{ft}$

## SAMPLING DATA

Date: **10.24.07** Time: **14:17** am / pm  
 pH (if required): D.O. (if required): O.R.P. (if required):  
 Depth To Water Before Sampling (ft): **15.00** Notes:  
 Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.24.2007**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-8**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

**Purging Equipment:**  
 Bailer  Diaphragm Pump  Electric submersible  Pneumatic submersible  
 Disposable Bailer  Vacuum Truck  Extraction Pump  Other

**Sampling Equipment:**  
 Disposable Bailer  
 Other

**Monitoring Eq.:** Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **9:10** Well casing dia. (in): **2**  
 Total Well Depth (ft): **18.24** Depth To Product (ft):   
 Depth To Water (ft): **12.43** Product Thickness (ft):   
 Water Column (ft): **5.36**

Purge Vol Calculation:  Casing Vol.  Borehole Vol. (SD)

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.62
Borehole Vol	0.40	0.77	1.51	2.57	7.71

Note for borehole volume, add 1/2 BH vol for each subsequent passes

**Estimated Purge Volume (gal):**  
 $5.36 \times 0.49 = 3$

## PURGING DATA

Time (hh:mm)	(min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:20		START PURGING					
12:21	1	1	71.4	6.03	1210	CLEAR	
12:22	1	1	71.3	6.06	1340	CLEAR	
12:23	1	1	71.6	6.03	1340		
DTW immed. after purge (ft):		<b>12.61</b>	Actual purged volume (gal):		<b>3</b>	Avg Purge Rate (gpm):	

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[ 5.36 ] \times 0.20 + [ 12.43 ] = 14$  ft  
Water Column DTW Initial

Max Drawdown (SD): 80% Recovery =  $( [ ] - [ ] ) \times 0.20 + [ ] =$  ft  
DTW after purge DTW Initial DTW initial

## SAMPLING DATA

Date: **10.24.07** Time: **14:20** am / pm  
 pH (if required):  D.O. (if required):  O.R.P. (if required):

Depth To Water Before Sampling (ft): **14.00** Notes:

Comments:

# Chain of Custody Record

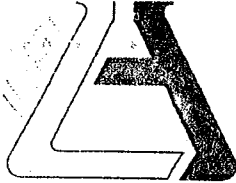


Company <u>THRIFTY OIL CO.</u>		Phone <u>714 771-6900</u>		A.L. Job No. _____		Page <u>1</u> of <u>1</u>			
Project Manager <u>DAVID SUNDY</u>		Fax <u>714 538-1209</u>		<b>Analysis Requested</b>				<b>Test Instructions &amp; Comments</b>	
Project Name <u>Q. W. 3.</u>		Project # <u>083</u>							
Site Name and Address <u>1125 TRAIL BLVD. S.E. DANFORTH, A. 92004</u>									
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.			
1		12.24.07	16:30	H <sub>2</sub> O	40001	100L	X	X	X
2			16:37				X	X	X
3			16:40				X	X	X
4			16:40				X	X	X
5			16:44				X	X	X
6			16:45				X	X	X
7			16:50				X	X	X
8			16:50		20001	100L	X	X	X
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: <u>DAVID SUNDY</u> 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers		Properly Cooled Y / N / NA		Signature: _____		Signature: _____		Signature: _____	
Custody Seals Y / N / NA		Samples Intact Y / N / NA		Printed Name: _____		Printed Name: _____		Printed Name: _____	
Received in Good Condition Y / N		Samples Accepted Y / N		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Turn Around Time				Received By: <u>DAVID SUNDY</u> 1.		Received By: 2.		Received By: 3.	
<input 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: _____		Signature: _____	
				Printed Name: _____		Printed Name: _____		Printed Name: _____	
				Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	

## ***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 200067

REPORTED 11/07/2007

RECEIVED 10/27/2007

PROJECT Station #063  
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS Global ID: T0600101366

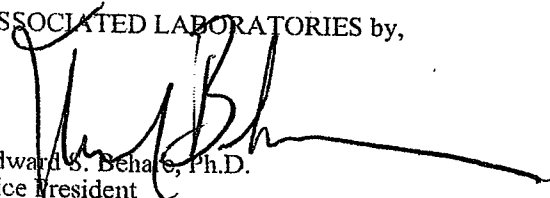
\* Matrix Interference.

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>
844126	TOC#063 MW-8
844127	TOC#063 MW-7
844128	TOC#063 MW-4
844129	TOC#063 MW-3
844130	TOC#063 MW-5
844131	TOC#063 MW-6
844132	TOC#063 MW-1
844133	TOC#063 Trip Blank
844134	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. Behar, 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 #: 844126

Client Sample ID: TOC#063 MW-8

Matrix: WATER

Date Sampled: 10/24/2007 Time Sampled: 14:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	11/02/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	11/02/07 LZ
Ethyl benzene	ND	1	5	0.21	ug/L	11/02/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	11/02/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	11/02/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	11/02/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	11/02/07 LZ
Toluene	ND	1	5	0.24	ug/L	11/02/07 LZ
Xylenes, total	ND	1	5	0.45	ug/L	11/02/07 LZ
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	88				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	106				%	70 - 130
Surr4 - p-Bromofluorobenzene	98				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	10/30/07 LT
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	100				%	55 - 200

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



Order #: 844127  
Matrix: WATER

Client Sample ID: TOC#063 MW-7  
Date Sampled: 10/24/2007 Time Sampled: 14:17

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	72	1	1	0.18	ug/L	11/04/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	11/04/07 LZ
Ethyl benzene	18	1	5	0.21	ug/L	11/04/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	11/04/07 LZ
Methyl-tert-butylether (MTBE)	221	1	1	0.19	ug/L	11/04/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	11/04/07 LZ
Tertiary butyl alcohol (TBA)	1120	1	10	10	ug/L	11/04/07 LZ
Toluene	ND	1	5	0.24	ug/L	11/04/07 LZ
Xylenes, total	1.6	J 1	5	0.45	ug/L	11/04/07 LZ
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	94				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	96				%	70 - 130
Surr3 - Toluene-d8	107				%	70 - 130
Surr4 - p-Bromofluorobenzene	95				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	1100	1	50	5.6	ug/L	10/30/07 LT
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	208*				%	55 - 200

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



Order #: 844128

Client Sample ID: TOC#063 MW-4

Matrix: WATER

Date Sampled: 10/24/2007 Time Sampled: 14:10

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

Benzene	13	1	1	0.18 ug/L	11/03/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L	11/03/07 LZ
Ethyl benzene	1.4 J	1	5	0.21 ug/L	11/03/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23 ug/L	11/03/07 LZ
Methyl-tert-butylether (MTBE)	44	1	1	0.19 ug/L	11/03/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L	11/03/07 LZ
Tertiary butyl alcohol (TBA)	62	1	10	10 ug/L	11/03/07 LZ
Toluene	ND	1	5	0.24 ug/L	11/03/07 LZ
Xylenes, total	ND	1	5	0.45 ug/L	11/03/07 LZ

**Surrogates**

		Units	Control Limits
Surr1 - Dibromofluoromethane	86	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 130
Surr3 - Toluene-d8	106	%	70 - 130
Surr4 - p-Bromofluorobenzene	97	%	70 - 130

**8015B - Gasoline**

Gasoline	106	1	50	5.6 ug/L	10/30/07 LT
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**Surrogates**

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

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



Order #: 844129

Client Sample ID: TOC#063 MW-3

Matrix: WATER

Date Sampled: 10/24/2007 Time Sampled: 13:50

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

Benzene	120	1	1	0.18	ug/L	11/06/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	11/06/07 LZ
Ethyl benzene	36	1	5	0.21	ug/L	11/06/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	11/06/07 LZ
Methyl-tert-butylether (MTBE)	499	1	1	0.19	ug/L	11/06/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	11/06/07 LZ
Tertiary butyl alcohol (TBA)	1790	1	10	10	ug/L	11/06/07 LZ
Toluene	1.5	J 1	5	0.24	ug/L	11/06/07 LZ
Xylenes, total	4.0	J 1	5	0.45	ug/L	11/06/07 LZ

**Surrogates**

		Units	Control Limits
Surr1 - Dibromofluoromethane	109	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	94	%	70 - 130
Surr3 - Toluene-d8	100	%	70 - 130
Surr4 - p-Bromofluorobenzene	101	%	70 - 130

**8015B - Gasoline**

Gasoline	2100	10	500.0	5.6	ug/L	10/31/07 LT
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**Surrogates**

		Units	Control Limits
a,a,a-Trifluorotoluene	114	%	55 - 200

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



Order #: 844130  
 Matrix: WATER

Client Sample ID: TOC#063 MW-5  
 Date Sampled: 10/24/2007 Time Sampled: 12:55

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

Benzene	ND	1	1	0.18 ug/L	11/03/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L	11/03/07 LZ
Ethyl benzene	ND	1	5	0.21 ug/L	11/03/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23 ug/L	11/03/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	11/03/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L	11/03/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	11/03/07 LZ
Toluene	ND	1	5	0.24 ug/L	11/03/07 LZ
Xylenes, total	ND	1	5	0.45 ug/L	11/03/07 LZ

**Surrogates**

		Units	Control Limits
Surr1 - Dibromofluoromethane	85	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	108	%	70 - 130
Surr3 - Toluene-d8	105	%	70 - 130
Surr4 - p-Bromofluorobenzene	98	%	70 - 130

**8015B - Gasoline**

Gasoline	ND	1	50	5.6 ug/L	10/31/07 LT
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**Surrogates**

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

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



Order #: 844131  
Matrix: WATER

Client sample ID: TOC#063 MW-6  
Date Sampled: 10/24/2007 Time Sampled: 12:45

Analyte Result DF PQL MDL Units Date/Analyst

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.18 ug/L	11/03/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L	11/03/07 LZ
Ethyl benzene	ND	1	5	0.21 ug/L	11/03/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23 ug/L	11/03/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	11/03/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L	11/03/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	11/03/07 LZ
Toluene	ND	1	5	0.24 ug/L	11/03/07 LZ
Xylenes, total	ND	1	5	0.45 ug/L	11/03/07 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	88			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 130
Surr3 - Toluene-d8	104			%	70 - 130
Surr4 - p-Bromofluorobenzene	98			%	70 - 130

8015B - Gasoline

Gasoline	ND	1	50	5.6 ug/L	10/31/07 LT
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Surrogates

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

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



Order #: 844132

Client: sample ID: TOC#063 MW-1

Matrix: WATER

Date Sampled: 10/24/2007 Time Sampled: 12:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	11/03/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	11/03/07 LZ
Ethyl benzene	ND	1	5	0.21	ug/L	11/03/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	11/03/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	11/03/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	11/03/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	11/03/07 LZ
Toluene	ND	1	5	0.24	ug/L	11/03/07 LZ
Xylenes, total	ND	1	5	0.45	ug/L	11/03/07 LZ
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	88				%	Control Limits 70 - 130
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 130
Surr3 - Toluene-d8	108				%	70 - 130
Surr4 - p-Bromofluorobenzene	105				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	10/31/07 LT
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	99				%	Control Limits 55 - 200

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



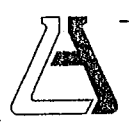


Order #: 844133  
Matrix: WATER

Client Sample ID: TOC#063 Trip Blank  
Date Sampled: 10/24/2007 Time Sampled: 00:00

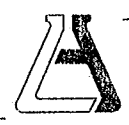
Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	11/02/07 LZ
Ethyl benzene	ND	1	5	0.21	ug/L	11/02/07 LZ
Toluene	ND	1	5	0.24	ug/L	11/02/07 LZ
Xylenes, total	ND	1	5	0.45	ug/L	11/02/07 LZ
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	88				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 130
Surr3 - Toluene-d8	110				%	70 - 130
Surr4 - p-Bromofluorobenzene	97				%	70 - 130
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	10/30/07 LT
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	100				%	55 - 200

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



Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18 ug/L		11/02/07 LZ
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L		11/02/07 LZ
Ethyl benzene	ND	1	5	0.21 ug/L		11/02/07 LZ
Ethyl-tertbuylether (ETBE)	ND	1	1.0	0.23 ug/L		11/02/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L		11/02/07 LZ
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L		11/02/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L		11/02/07 LZ
Toluene	ND	1	5	0.24 ug/L		11/02/07 LZ
Xylenes, total	ND	1	5	0.45 ug/L		11/02/07 LZ
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	89			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 130	
Surr3 - Toluene-d8	109			%	70 - 130	
Surr4 - p-Bromofluorobenzene	94			%	70 - 130	
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6 ug/L		10/30/07 LT
<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



**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD

Matrix: WATER

Prep. Date: October 30, 2007

Analysis Date 10/30/07-10/31/07

Lab ID#'s in Batch: LR 199985 , 199531 , 199872 , 199869 , 200048 , 200067 , 200068 , 200110 .

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

Reporting Units =  $\mu\text{g/L}$

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	464	464	93	93	0

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

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

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	110
LCS	151
LCSD	158

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

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: MS/MSD Water Sample

200067-126

Date Prepared: November 2, 2007

Date Analyzed: November 2, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 200067, 200348, 200368, 200288, 200277, 200019.

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	55.90	54.16	112	108	3	22	59 - 172
MTBE	0.00	50.0	55.20	53.48	110	107	3	24	62 - 137
Benzene	0.00	50.0	52.90	50.86	106	102	4	24	62 - 137
Trichloroethene	0.00	50.0	52.11	51.89	104	104	0	21	66 - 142
Toluene	0.00	50.0	50.89	49.62	102	99	3	21	59 - 139
Chlorobenzene	0.00	50.0	51.08	50.28	102	101	2	21	60 - 133

Sample ID: LCS/LCSD

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	58.13	57.33	116	115	1	22	59 - 172
MTBE	50.0	54.27	55.88	109	112	3	24	62 - 137
Benzene	50.0	52.39	52.92	105	106	1	24	62 - 137
Trichloroethene	50.0	51.47	52.95	103	106	3	21	66 - 142
Toluene	50.0	49.80	51.51	100	103	3	21	59 - 139
Chlorobenzene	50.0	49.61	51.96	99	104	5	21	60 - 133

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

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	89	88	98	98	101	99	70 - 135
1,2-Dichloroethane-d4	106	112	108	106	110	107	70 - 135
Toluene-d8	109	107	101	101	101	101	70 - 135
p-Bromofluorobenzene	94	98	93	95	92	101	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: MS/MSD Water Sample

200288-105

Date Prepared: November 3, 2007

Date Analyzed: November 3, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 200288, 200298, 200067.

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	55.20	53.29	110	107	4	22	59 - 172
MTBE	0.00	50.0	57.02	53.04	114	106	7	24	62 - 137
Benzene	0.00	50.0	53.59	48.41	107	97	10	24	62 - 137
Trichloroethene	0.00	50.0	55.59	53.34	111	107	4	21	66 - 142
Toluene	0.00	50.0	51.12	49.84	102	100	3	21	59 - 139
Chlorobenzene	0.00	50.0	51.73	48.88	103	98	6	21	60 - 133

Sample ID: LCS/LCSD

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	54.21	52.87	108	106	2	22	59 - 172
MTBE	50.0	55.32	53.03	111	106	4	24	62 - 137
Benzene	50.0	50.69	50.46	101	101	0	24	62 - 137
Trichloroethene	50.0	49.79	49.66	100	99	0	21	66 - 142
Toluene	50.0	49.25	50.01	99	100	2	21	59 - 139
Chlorobenzene	50.0	48.20	49.63	96	99	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	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	85	89	98	95	99	100	70 - 135
1,2-Dichloroethane-d4	105	108	110	110	106	107	70 - 135
Toluene-d8	111	108	103	102	96	102	70 - 135
p-Bromofluorobenzene	97	103	98	94	95	95	70 - 135

ASSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample*

200360-472

Date Prepared: November 5, 2007

Date Analyzed: November 5, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 200360, 199839, 200378, 200383, 199969, 199975, 200222, 200067, 200297.

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	55.96	60.22	112	120	7	22	59 - 172
MTBE	0.00	50.0	65.88	66.07	132	132	0	24	62 - 137
Benzene	0.00	50.0	49.31	49.37	99	99	0	24	62 - 137
Trichloroethene	0.00	50.0	49.80	47.21	100	94	5	21	66 - 142
Toluene	0.00	50.0	48.74	46.60	97	93	4	21	59 - 139
Chlorobenzene	0.00	50.0	49.32	48.23	99	96	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	55.92	112	59 - 172
MTBE	50.0	62.35	125	62 - 137
Benzene	50.0	47.53	95	62 - 137
Trichloroethene	50.0	50.17	100	66 - 142
Toluene	50.0	48.55	97	59 - 139
Chlorobenzene	50.0	49.85	100	60 - 133

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

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

*Surrogate Recovery*

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	105	107	112	120	112	70 - 135
1,2-Dichloroethane-d4	108	110	103	108	100	70 - 135
Toluene-d8	98	97	105	99	105	70 - 135
p-Bromofluorobenzene	103	94	97	100	103	70 - 135

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: October 30, 2007

Analysis Date 10/30/07-10/31/07

Lab ID#'s in Batch: LR 200067

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

Reporting Units =  $\mu\text{g/L}$

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	423	411	85	82	3

*ND = Not Detected*

*LCS Result = Lab Control Sample Result*

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

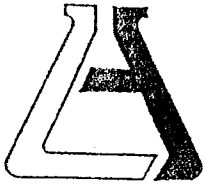
*RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate*

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

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	89
LCS	191
LCSD	181

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



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1  
 Client: Therich Project: TDC # 063  
 Date Received: 10/27/07  
 Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2  
 Was the cooler packed with:  Ice  Ice Packs  Bubble Wrap  Styrofoam  
 Paper  None  Other \_\_\_\_\_  
 Cooler or box temperature: 3.4°  
 (Acceptance range is 2 to 6 Deg. C.)

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

\*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4  
 Explanations/Comments

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

Completed By: H. Walker Date: 10/27/07





**Chain of Custody Record**

200067 Page 1 of 1

Company: <b>THRIFTY OIL CO.</b>	Phone: <b>562(921-3581)</b>	A.L. Job No.	
Project Manager: <b>JEFF SURYAKUSUMA</b>	Fax: <b>562(921-7510)</b>	Analysis Requested	
Project Name: <b>R.W.S.</b>	Project #: <b>063 ✓</b>	Test Instructions & Comments	
Site Name and Address: <b>6125 TELEGRAPH AVE OAKLAND CA. 94604</b>			

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH (2015M)	ATX (8260B)	OXYGENATED									
✓ 1 MW-8		10.24.07	14:20	H <sub>2</sub> O	4-VOA	HCL	X	X	X									ANALYSIS REQUIRED FOR OXYGENATED COMPOUNDS USED IN CA GASOLINE BY EPA METHOD 8260B
✓ 2 MW-7			14:27				X	X	X									
✓ 3 MW-4			14:40				X	X	X									
✓ 4 MW-3			13:50				X	X	X									
✓ 5 MW-5			12:55				X	X	X									
✓ 6 MW-6			12:45				X	X	X									
✓ 7 MW-1			12:35				X	X	X									
✓ 8 TRIP BLANK			00:00		2-VOA	HCL	X	X										
9																		
10																		
11																		
12																		
13																		
14																		
15																		

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by Sampler: <b>R.M.C. 1.</b>	Relinquished by: <b>G.S.O. 2.</b>	Relinquished by: <b>3.</b>
Total Number of Containers	Property Cooled Y/N/NA	Samples Intact Y/N/NA	Samples Accepted Y/N	Signature: <i>[Signature]</i>	Signature:	Signature:
Custody Seals Y/N/NA				Printed Name: <b>SARBA P.</b>	Printed Name:	Printed Name:
Received in Good Condition Y/N				Date: <b>10.24.07</b> Time: <b>16:30</b>	Date: <b>10/27/07</b> Time: <b>10:45</b>	Date: Time:
<b>Turn Around Time</b>				Received By: <b>G.S.O. 1.</b>	Received By: <b>4800C. LAB</b>	Received By: <b>3.</b>
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature:	Signature: <i>[Signature]</i>	Signature:
				Printed Name:	Printed Name: <b>KRISTEN WALKER</b>	Printed Name:
				Date: Time:	Date: <b>10/27/07</b> Time: <b>10:45</b>	Date: Time:

## ***APPENDIX C***

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09-07-2007

OBSERVATIONS AND  
COMMENTS: SYSTEM WAS SHUT DOWN, TRANSFER  
PUMP BREAK DOWN, NEED REPLACE, GO TO  
BUY 8 FT HOSES FOR UPGRADE PUMP IN MW-4  
FROM QED

FLOW METER READING: 2018630

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: Sidoway



# SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

ADDR:

DATE:

PERSON:

Toe 1063  
6125 TELEGRAPH AVE  
OKLAHOMA 74612  
09-07-2007  
SEPPAH

Remediation System Type:

- AS  
  SVE  
  DFE  
  GWT  
  FPR  
  Other

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DFE	Dual-Phase Extraction					
GWT	Groundwater Treatment					
FPR	FP Recovery				2018630	
0	Other:					

UTILITIES:

Electrical Meter: \_\_\_\_\_

Nat. gas Meter: \_\_\_\_\_

Propane Tank Level: \_\_\_\_\_

OTHER NOTES:

*JUMP*  
 TRANSFER BREAK DOWN, CALL FOR REPLACE THE PUMP

**ALWAYS OBSERVE SAFETY PROCEDURES!**



**EARTH MANAGEMENT CO.**  
Environmental Remediation

**SYSTEM STARTUP / SHUTDOWN REPORT**

SITE:

TOE 1063

ADDR:

6125 TELEGRAPH ST

DATE:

OAKLAND 94612

PERSON:

09-10-2007

SEPRAN

Recollection System Types

- AS  
  SVE  
  GVE  
  GWT  
  FFR  
  Other

System Type		Action		Hour Meter (hr)	Tachiter (rpm)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DVE	Dual-Phase Extraction					
GWT	Groundwater Treatment					
FFR	FP Recovery				2018630	
O	Other					

**UTILITIES:**

Electrical Meter:

N/A

Nat. gas Meter:

N/A

Propane Tank Level:

N/A

**OTHER NOTES:**

RESTART BY STEAM AFTER REPLACE TRANSFER PUMP AND ADD 8 FT HOSES TO PUMP IN MW-4

**ALWAYS OBSERVE SAFETY PROCEDURES!**

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09.14.2007

OBSERVATIONS AND

COMMENTS: DRAIN WATER FROM COMPRESSOR TANK,

CHECK PUMP, CHECK OIL, CHANGE FILTER FOR FILTER

REGULATOR, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4

\_\_\_\_\_

\_\_\_\_\_

FLOW METER READING: 2019810

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: 2.2

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

INSPECTOR'S SIGNATURE: Serban P.

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09-21-2007

OBSERVATIONS AND  
COMMENTS: DRAIN WATER FROM FILTER/REGULATOR BOWL  
DRAIN WATER FROM COMPRESSOR TANK, CHECK OIL,  
BELT, HOSES AND DRUMS FOR LEAK, CHECK TRANSFER  
PUMP, CHECK PUMP IN MW-3

FLOW METER READING: 2027200

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

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: 2.1

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

INSPECTOR'S SIGNATURE: Serban P.

63

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09-28-2007

OBSERVATIONS AND  
COMMENTS: DRAIN WATER FROM COMPRESSOR TANK,  
CHANGE OIL, CHECK BELT, CHANGE FILTER FROM  
FILTER REGULATOR, CHECK TRANSFER PUMP, CHECK  
PUMP IN MW-4,  
+ REPLACE PADLOCK, SAMEBODY TRY TO OPEN THIS  
BREAK INSIDE WRONG KEY??

FLOW METER READING: 2031500

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: 2.2

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

INSPECTOR'S SIGNATURE: Serban P.



063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 10-05-2007

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK

CHECK OIL, BELT, TRANSFER PUMP, DRAIN WATER  
FROM FILTER/REGULATOR BOWL,

FLOW METER READING: 2038620

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: 3.1

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

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

INSPECTOR'S SIGNATURE: Serban P.

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 10-12-2007

OBSERVATIONS AND  
COMMENTS: DRAIN WATER FROM COMPRESSOR TANK  
CHECK BLEND, CHECK OIL, CHANGE COMPRESSOR  
FILTER, CHECK TRANSFER PUMP

FLOW METER READING: 2042100

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: 3.1

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

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

INSPECTOR'S SIGNATURE: Serban P.

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 10-19-2007

OBSERVATIONS AND  
COMMENTS: DRAIN COMPRESSOR MTRK, REPLACE  
FILTER FROM FILTER/REGULATOR, CHECK PUMP  
IN MW-3, CHECK TRANSFER PUMP,

FLOW METER READING: 2049120

SAMPLES OBTAINED: 1/1 U

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: 2.1

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

INSPECTOR'S SIGNATURE: Serban P.

SITE:

ADDR:

DATE:

PERSON:

663  
TOC  
6125 TELEGRAPH RD  
ORLANDO, FL  
10.23.07  
SEPERN

Remediation System Types:  AS  SVE  DFE  GWT  FPR  Other

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DFE	Dual-Phase Extraction					
GWT	Groundwater Treatment					
FPR	FF Recovery				2051240	
O	Other					

**UTILITIES:**

Electrical Meter: N/A  
 Nat. gas Meter: N/A  
 Propene Tank Levels: N/C

**OTHER NOTES:**

SHUT DOWN FOR QWS

**ALWAYS OBSERVE SAFETY PROCEDURES.**



# SYSTEM STARTUP / SHUTDOWN REPORT

063

SITE:

ADDR:

DATE:

PERSON:

TOC 063  
 6125 TELEGRAPH AV.  
 OAKLAND, 9461  
 10.26.2007  
 JERSON

Remediation System Types:

- AS  
  SVE  
  DPE  
  QWT  
  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					
QWT	Groundwater Treatment					
FPR	FP Recovery				2053410	
○	Other:					

**UTILITIES:**

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

**OTHER NOTES:**

RESTART SYSTEM AFTER QWS

**ALWAYS OBSERVE SAFETY PROCEDURES!**



063

**MAINTENANCE & REPAIR REPORT**

A) SS #: 063 SYSTEM TYPE:  
B) DEFICIENCY DESCRIPTION:

CARBON REPLACE

C) NAME OF REPORTING PARTY AND DATE: CERBAT P.  
D) DATE SCHEDULED: 11.05.2007

1) NAME:  
2) FINDINGS:

DATE/TIME

3) WAS THE JOB BEING COMPLETED? YES/NO  
IF YES, PLEASE DESCRIBE WHY AND WHEN THE JOB  
IS FINISHED

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE  
TO THE TECHNICIAN:

6) OTHER: CHANGE #1 CARBON DRUM WITH  
NEW FROM US FILTER,

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 11-06-2007

OBSERVATIONS AND COMMENTS: SPRIT SAMPLE WITH INSPECTOR;  
CHECK OIL, BELT, CHECK HOSES AND DRUM  
FOR LEAKS.

FLOW METER READING: 2054180

SAMPLES OBTAINED: 402

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: 2.1

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

INSPECTOR'S SIGNATURE: Serban P.

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 11-20-2007

OBSERVATIONS AND  
COMMENTS: DRAIN WATER FROM COMPRESSOR TANK,  
CHECK BELT, OIL, CHECK TRANSFER PUMP,  
TAKE WATER SAMPLING FROM SYSTEM

FLOW METER READING: 2075400

SAMPLES OBTAINED: YES

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: 1.1

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

INSPECTOR'S SIGNATURE: Serban P.



063

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

NAME OF INSPECTOR: SERBAN P-

DATE OF INSPECTION: 11-30-2007

OBSERVATIONS AND  
COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL, CHECK  
BELT, REPLACE FILTER FOR FILTER REGULATOR, CHECK  
TRANSFER PUMP, CHECK FOR LEAK DRUMS AND HOSES

FLOW METER READING: 2082110

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

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: 1.0

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

INSPECTOR'S SIGNATURE: Sidqwe

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 12-14-2007

OBSERVATIONS AND  
COMMENTS: ADDITION COMPRESSOR TANK, CHECK  
TRANSFER PUMP, CHECK BELT, OIL, TAKE  
WATER SAMPLES FROM SYSTEM

FLOW METER READING: 2036930

SAMPLES OBTAINED: YES

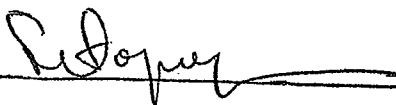
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

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: 1.2

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

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBAY P

DATE OF INSPECTION: 12-21-2007

OBSERVATIONS AND COMMENTS: CHECK BELT OIL, CHANGE OIL FILTER

FROM COMPRESSOR, DRAIN WATER FROM COMPRESSOR  
TANK, CHECK HOSES AND DRUMS FOR LEAK,

FLOW METER READING: 2091340

SAMPLES OBTAINED: NA

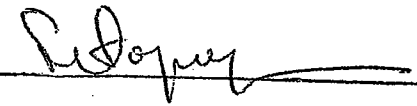
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

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: 1.1

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

INSPECTOR'S SIGNATURE: 



**ASSOCIATED LABORATORIES**

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

1.82461  
RECEIVED

DEC 04 2007 JS ST

SSH 063  
ENVIRONMENTAL  
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 201560

REPORTED 12/03/2007

RECEIVED 11/21/2007

PROJECT Station #063  
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.  
850546  
850547

Client Sample Identification  
TOC #063 Outlet PSP I  
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

6pg

Order #: 850546  
Matrix: WATER

Client Sample ID: TOC #063 Outlet PSP 1  
Date Sampled: 11/20/2007 Time Sampled: 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8021B BTEX</b>						
Benzene	ND	1	0.3	0.15	ug/L	11/28/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/28/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/28/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/28/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>					%	55 - 155
Trifluorotoluene (sur)	79					
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	11/28/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>					%	55 - 200
a,a,a-Trifluorotoluene	79					

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



Order #: 850547

Client Sample ID Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8021B BTEX</b>						
Benzene	ND	1	0.3	0.15	ug/L	11/28/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/28/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/28/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/28/07 LT
<b>Surrogates</b>					<b>Units</b>	<b>Control Limits</b>
Trifluorotoluene (sur)	80				%	55 - 155
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	11/28/07 LT
<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-Tracc



**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: November 28, 2007

Analysis Date 11/28/07-11/29/07

Lab ID#'s in Batch: 201556, 201558, 201560, 201722, 201554, 201540, 201694, 201710, 201562.

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

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	451	449	90	90	0

ND - Not Detected

LCS Result = Lab Control Sample Result

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

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

%REC LIMITS = 70 - 110
RPD LIMITS = 30

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	80
LCS	176
LCSD	171

AAA-TFT = a,a,a-Trifluorotoluene

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: LCS/LCSD  
 Matrix: WATER  
 Prep. Date: Nov 28-07  
 Analysis Date: 11/28/07-11/29/07  
 Lab ID#'s in Batch: 201542, 201556, 201558, 201560.

REPORTING UNITS =  $\mu\text{g/L}$

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

Test	Method	Sample Result	Spike Added	Matrix LCS	Matrix LCSD	%Rec LCS	%Rec LCSD	RPD
Benzene	8021	ND	20	16.7	16.8	84	84	1
Toluene	8021	ND	20	16.8	16.8	84	84	0
Ethylbenzene	8021	ND	20	16.6	16.7	83	84	1
Xylenes	8021	ND	60	52.0	51.1	87	85	2

ND = Not Detected

RPD = Relative Percent Difference of Matrix LCS and Matrix LCSD

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

**%REC LIMITS = 70 - 130**

**RPD LIMITS = 30**

**SURROGATE RECOVERY**

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	80
LCS	88
LCSD	89

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





# Chain of Custody Record

201560 Page 1 of 1

Company <b>THIRTY OIL CO.</b>		Phone <b>562 921-3581</b>		A.L. Job No. <b>201560</b>										
Project Manager <b>JEFF BURNETT</b>		Fax <b>562 921-7510</b>		Analysis Requested										
Project Name <b>SYSTEM WATER SAMPLE</b>		Project # <b>063</b>		Test Instructions & Comments										
Site Name and Address <b>625 TELEGRAPH AVE OAKLAND, CA 94609</b>														
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.								
1		11.20.07	9:00	H <sub>2</sub> O	4-VOA	HCL	X	X						GRAB SAMPLE
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

**Sample Receipt - To Be Filled By Laboratory**

Total Number of Containers	Properly Cooled Y / N / NA
Custody Seats Y / N / NA	Samples Intact Y / N / NA
Received in Good Condition Y / N	Samples Accepted Y / N

**Turn Around Time**

Normal     
  Rush     
  Same Day     
  48 hrs.  
 24 hrs.     
  72 hrs.

Relinquished by Sampler: <b>EMC</b>	Relinquished by 2.	Relinquished by 3.
Signature: <i>[Signature]</i>	Signature:	Signature:
Printed Name: <b>STEPHEN P</b>	Printed Name:	Printed Name:
Date: <b>11.20.07</b> Time: <b>9:00</b>	Date: Time:	Date: Time:
Received By: <b>G.S.O.</b>	Received By: 2.	Received By: 3.
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:
Printed Name:	Printed Name: <b>THE HUNG</b>	Printed Name:
Date: Time:	Date: <b>11/21</b> Time: <b>10:30</b>	Date: Time:



**ASSOCIATED LABORATORIES**

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

1-822-78  
RECEIVED

NOV 28 2007 JS ST

SS#063  
ENVIRONMENTAL  
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 200636

REPORTED 11/15/2007

RECEIVED 11/07/2007

PROJECT Station #063  
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS REVISED REPORT 11/28/07

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>
846515	TOC# 063 Outlet PSP-1
846516	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*  
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

Lab request 200636 cover, page 1 of 1

405  
PAGE 15/18

ASSOCIATED LABS

11/28/2007 14:35 7147719933

Order #: 846515

Client Sample ID: TOC# 063 Outlet PSP-1

Matrix: WATER

Date Sampled: 11/06/2007 Time Sampled: 08:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8021B BTEX</b>						
Benzene	ND	1	0.3	0.15	ug/L	11/09/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/09/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/09/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/09/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
Trifluorotoluene (sur)	109				%	55 - 155
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	11/09/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	109				%	55 - 200

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



Order #: 846516

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8021B BTEX</b>						
Benzene	ND	1	0.3	0.15	ug/L	11/08/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/08/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/08/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/08/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>					%	55 - 155
Trifluorotoluene (sur)	66					
<b>8015B - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	11/08/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>					%	55 - 200
a,a,a-Trifluorotoluene	66					

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

**ASSOCIATED LABORATORIES** Analytical Results Report  
 Lab Request 200636 results, page 2 of 2



# Chain of Custody Record

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



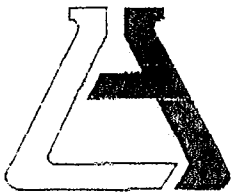
11/28/2007 14:35 7147719933 ASSOCIATED LABS  
 11/27/2007 18:26 15629217510 THRIFTY OIL  
 11/23/2007 11:11 7147719933 ASSOCIATED LABS  
 PAGE 02  
 PAGE 06/06  
 PAGE 18/18

200311 Page 1 of 1

Company: <b>THRIFTY OIL CO.</b>		Phone: <b>562(921-3584)</b>		AL Job No. <b>200311</b>		Page <b>1</b> of <b>1</b>	
Project Manager: <b>JEFF BUDYANISUMIT</b>		Fax: <b>562(921-7510)</b>		Analysis Requested		Test Instructions & Comments	
Project Name		Project ID: <b>063</b>		(11/20/2007) (11/20/2007) (11/20/2007)			
Site Name and Address: <b>0125 TELEGRAPH AVE OAKLAND CA 94612</b>							
Sample ID	Lot ID	Date	Time	Matrix	Container Number/Size	Pres.	
1	<b>OUTLET PSP-1</b>	<b>11-06-07</b>	<b>8:20</b>	<b>H<sub>2</sub>O</b>	<b>3-VOL</b>	<b>ALL</b>	<b>GRUBS SAMPLE</b>
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1	Relinquished by 2	Relinquished by 3
Total Number of Containers	Property Coded Y/N/NA	Samples Intact Y/N/NA	Samples Accepted T/N	Signature: <b>EMC</b>	Signature:	Signature:
Custody Seals Y/N/NA				Printed Name: <b>EMC</b>	Printed Name:	Printed Name:
Received in Good Condition Y/N				Date: <b>11.06.07</b> Time: <b>15:30</b>	Date: Time:	Date: Time:
Turn Around Time				Received By 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: <b>GDO</b>	Signature:	Signature:
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name:	Printed Name:
				Date: Time:	Date: Time:	Date: Time:



**ASSOCIATED LABORATORIES**

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

1.82478  
**RECEIVED**

DEC 05 2007 <sup>JS</sup> <sub>ST</sub>

SSH003  
**ENVIRONMENTAL**  
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 201562

REPORTED 12/04/2007

RECEIVED 11/21/2007

PROJECT Station #063  
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS \* Matrix Interference.

.....  
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>
850548	TOC #063 Int. 1
850549	TOC #063 Int. 2
850550	TOC #063 Int. 3
850551	TOC #063 Inlet
850552	TOC #063 MW-3
850553	TOC #063 MW-4
850554	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

9/15

Order #: 850548  
 Matrix: WATER

Client Sample ID: IOC #063 Int. 1  
 Date Sampled: 11/20/2007 Time Sampled: 09:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	11/27/07 RP
Ethyl-terbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-terbutylether (MTBE)	ND	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	ND	1	5	0.45	ug/L	11/27/07 RP
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	94				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	101				%	70 - 130
Surr3 - Toluene-d8	100				%	70 - 130
Surr4 - p-Bromofluorobenzene	108				%	70 - 130
<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	5.6	ug/L	11/29/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	81				%	55 - 200

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



Order #: 850549

Client Sample ID: TOC #063 Int. 2

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 09:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	52	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	29	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbutylether (MTBE)	101	1	1	0.18	ug/L	11/27/07 RP
tert-amylmethylether (TAME)	7.8	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	439	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	2.8	J 1	5	0.45	ug/L	11/27/07 RP
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	93				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	108				%	70 - 130
Surr4 - p-Bromofluorobenzene	102				%	70 - 130
<b>8015M - Gasoline</b>						
Gasoline	1080	1	50	5.6	ug/L	11/29/07 LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	169				%	55 - 200

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





Order #: 850550

Client Sample ID TOC #063 Int. 3

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	82	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	47	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbuylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbuylether (MTBE)	193	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	808	1	10	10	ug/L	11/27/07 RP
Toluene	1.1	J 1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	5.8	1	5	0.45	ug/L	11/27/07 RP
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	95				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 130
Surr3 - Toluene-d8	105				%	70 - 130
Surr4 - p-Bromofluorobenzene	111				%	70 - 130
<b>8015M - Gasoline</b>						
Gasoline	1840	1	50	5.6	ug/L	11/29/07, LT
					<b>Units</b>	<b>Control Limits</b>
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	210*				%	55 - 200

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



Order #: 850551

Client Sample ID: TOC #063 Inlet

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 09:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	84	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	46	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbutylether (MTBE)	194	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	1070	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	5.7	1	5	0.45	ug/L	11/27/07 RP
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	92			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	107			%	70 - 130	
<b>8015M - Gasoline</b>						
Gasoline	2240	1	50	5.6	ug/L	11/29/07 LT
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
a,a,a-Trifluorotoluene	222*			%	55 - 200	

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



Order #: 850552

Client Sample ID: TOC #063 MW-3

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 09:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	32	1	1	0.18	ug/L	11/29/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/29/07 RP
Ethyl benzene	6.5	1	5	0.21	ug/L	11/29/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/29/07 RP
Methyl-tertbutylether (MTBE)	39	1	1	0.18	ug/L	11/29/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/29/07 RP
Tertiary butyl alcohol (TBA)	66	1	10	10	ug/L	11/29/07 RP
Toluene	1.6	J 1	5	0.24	ug/L	11/29/07 RP
Xylenes, total	3.7	J 1	5	0.45	ug/L	11/29/07 RP
						<b>Units Control Limits</b>
<b>Surrogates</b>						
Surr1 - Dibromofluoromethane	91				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	104				%	70 - 130
<b>8015M - Gasoline</b>						
Gasoline	254	1	50	5.6	ug/L	11/29/07 LT
						<b>Units Control Limits</b>
<b>Surrogates</b>						
a,a,a-Trifluorotoluene	112				%	55 - 200

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



Order #: 850553

Client Sample ID TOC #063 MW-4

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 10:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
<b>8260B RTEX/MTBE Only</b>							
Benzene	69	10	10.0	0.18	ug/L	11/27/07 RP	
Di-isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	11/27/07 RP	
Ethyl benzene	56	10	50.0	0.21	ug/L	11/27/07 RP	
Ethyl-terbutylether (ETBE)	ND	10	10.0	0.17	ug/L	11/27/07 RP	
Methyl-terbutylether (MTBE)	529	10	10.0	0.18	ug/L	11/27/07 RP	
Tert-amylmethylether (TAME)	16	10	10.0	0.28	ug/L	11/27/07 RP	
Tertiary butyl alcohol (TBA)	1830	10	100.0	10	ug/L	11/27/07 RP	
Toluene	ND	10	50.0	0.24	ug/L	11/27/07 RP	
Xylenes, total	13	J 10	50.0	0.45	ug/L	11/27/07 RP	
					<b>Units</b>	<b>Control Limits</b>	
<b>Surrogates</b>					%	70 - 130	
Surr1 - Dibromofluoromethane					97	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4					99	%	70 - 130
Surr3 - Toluene-d8					105	%	70 - 130
Surr4 - p-Bromofluorobenzene					107	%	70 - 130
<b>8015M - Gasoline</b>							
Gasoline	2120	10	500.0	5.6	ug/L	11/29/07 LT	
					<b>Units</b>	<b>Control Limits</b>	
<b>Surrogates</b>					%	55 - 200	
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 #: 850554

Client Sample ID: Laboratory Method Blank

Matrix: WATER

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

Benzene	ND	1	1	0.18 ug/L		1/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29 ug/L		1/27/07 RP
Ethyl benzene	ND	1	5	0.21 ug/L		1/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17 ug/L		1/27/07 RP
Methyl-tertbutylether (MTBE)	ND	1	1	0.18 ug/L		1/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28 ug/L		1/27/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L		1/27/07 RP
Toluene	ND	1	5	0.24 ug/L		1/27/07 RP
Xylenes, total	ND	1	5	0.45 ug/L		1/27/07 RP

## Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	91			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	98			%	70 - 130
Surr3 - Toluene-d8	105			%	70 - 130
Surr4 - p-Bromofluorobenzene	105			%	70 - 130

## 8015M - Gasoline

Gasoline	ND	1	50	5.6 ug/L		11/28/07 LT
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## Surrogates

				Units	Control Limits
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





**Chain of Custody Record**

201562

Company: <b>THRIFTY OIL CO.</b>	Phone: <b>(562) 921-3581</b>	A.L. Job No.	Page <b>1</b> of <b>1</b>
Project Manager: <b>JEFF BUDNARUKA</b>	Fax: <b>(562) 921-7510</b>	Analysis Requested	
Project Name: <b>SYSTEM WATER SAMPLING</b>	Project #: <b>063</b>	Test Instructions & Comments	
Site Name and Address: <b>6125 TELEGRAPH AVE OAKLAND CA 94209</b>			

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TRITY (3015M)	STEX (302-1-B)	OLYGNATES									
1 INT. 1		11.20.07	9:10	H <sub>2</sub> O	4-UDIA	HCL	X	X	X									
2 INT. 2			9:20				X	X	X									
3 INT. 3			9:30				X	X	X									
4 INT. 4			9:40				X	X	X									
5 MW-3			9:50				X	X	X									
6 MW-4			10:00				X	X	X									
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

ANALYSIS REQUIRED FOR COMPOUNDS USED IN CA. GASOLINE BY EPA METHOD 8260B  
 1-TERTIARY BUTANOL  
 2-M.T.B.E  
 3-DPPE  
 4-ETBE  
 5-TAME

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by 1. Signature: _____		Relinquished by 2. Signature: _____		Relinquished by 3. Signature: _____	
Total Number of Containers	Properly Cooled Y/N/NA	Samples Intact Y/N/NA		Printed Name: _____		Printed Name: _____		Printed Name: _____	
Custody Seals Y/N/NA	Samples Accepted Y/N	Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Received in Good Condition Y/N				Received By: 1. Signature: <i>ASL</i>		Received By: 2. Signature: _____		Received By: 3. Signature: _____	
<b>Turn Around Time</b>				Signature: _____		Signature: _____		Signature: _____	
<input type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Printed Name: <i>Jeff Budnarka</i>		Printed Name: _____		Printed Name: _____	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Date: <i>11/21</i> Time: <i>10:30</i>		Date: _____ Time: _____		Date: _____ Time: _____	