

# THRIFTY OIL CO.

July 17, 2008

O.88845

Mr. Steven Plunkett  
Alameda County Health Care Agency  
Hazardous Material Specialist  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

Local #RO0000348  
RWQCB #01-1476  
Confirmation No. 5151428699

RE: **Former Thrifty Oil Co. Station #054**  
**TOSCO Station #2602486**  
2504 Castro Valley Boulevard  
Castro Valley, CA  
*2nd Quarter 2008, Status Report and Request for Site Closure*

**RECEIVED**

2:42 pm, Jul 21, 2008

Alameda County  
Environmental Health

Dear Mr. Plunkett:

Presented herein is the 2nd Quarter 2008, Status Report prepared for Former Thrifty Oil Co. (Thrifty) Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California (**Figure 1**). This report presents the results of the groundwater monitoring activities conducted during the second quarter of 2008.

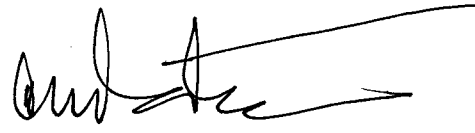
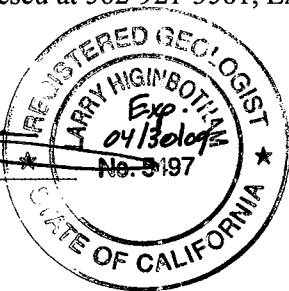
A review of groundwater sampling analytical data for the last several quarters has indicated that hydrocarbon concentrations have decreased significantly since the concentration spikes in years 2004 and 2005, *with all hydrocarbon constituent concentrations below method detection limits in all wells during the current sampling event.* These current results are consistent with the last several quarters of monitoring. The non-detectable dissolved hydrocarbon plume is probably due to the following: (1) historical remedial efforts which have significantly reduced the source area contamination; (2) the non-operating status of the site since June 30, 2006, which has effectively eliminated any active hydrocarbon source(s); (3) the reduction of residual hydrocarbon concentrations through natural attenuation. Thrifty therefore believes that the residual dissolved plume should maintain a stable configuration, and requests that the Alameda County Department of Health grant site closure.

Should you have any questions regarding this report, please contact Larry Higinbotham at 562-921-3581, Ext. 325, or Chris Panaitescu at 562-921-3581, Ext. 390.

Respectfully submitted,



Larry Higinbotham, R.G.  
Project Manager



Chris Panaitescu  
General Manager  
Environmental Affairs

- cc:
- Erika Assadi, SRWQCB (USTCF)
  - Shelby Lathrop, TOSCO Marketing Company  
76 Broadway  
Sacramento CA 95818
  - MaryBeth Heydt, Thrifty Oil Co.
  - File



**Summary of Monitoring and Sampling Activities**  
**Former Thrifty Oil Co. Station #054**  
**Second Quarter 2008**  
**Reporting Period: 4/1/2008 to 6/30/2008**

**Site Information:**

Site address:	TOC SS #054 (TOSCO #2602486) 2504 Castro Valley Boulevard Castro Valley, CA
Global ID No.:	T0600101363
EDF Confirmation No.:	5151428699
Lead Agency No.:	Local # RO0000348
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Steven Plunkett / 510 383-1767
Project Manager:	Larry Higinbotham / 562-921-3581 ext. 325

**Field Activity:**

Groundwater wells onsite:	9
Groundwater wells offsite:	4
Date(s) monitored:	6/18/2008
Date(s) sampled:	6/18/2008
Groundwater wells gauged:	13
Groundwater wells sampled:	9
Purging method:	Disposable bailer
Treatment / disposal method during sampling event:	Drums – Safety-Kleen pickup
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

**Site Hydrogeology:**

Depth to groundwater (feet bgs):	3.63 to 9.78
Groundwater elevation (feet above mean sea level):	154.25 to 162.90
Groundwater gradient and flow direction:	East-Northeast at approximately 0.015 ft./ft to 0.071 ft./ft.
Consistent with previous quarter:	Consistent with previous quarters

### Groundwater Conditions:

TPHg concentration (ug/L):	All ND<6.6
Benzene concentration (ug/L):	All ND<0.18
Toluene concentration (ug/L):	All ND<0.24
Ethyl benzene concentration (ug/L):	All ND<0.21
Total Xylenes concentration (ug/L):	All ND<0.45
MTBE concentration (ug/L)	All ND<0.19

### Remediation Activity:

System type:	SVE & GWPT
System start-up:	April 1990
System Shut Down	January 2000
Cumulative Operation (hrs.):	19,388
Total GW discharge (gal.):	27,992
Total hydrocarbons extracted (lbs.):	5,631

### Groundwater Monitoring

Depth to groundwater is measured in each monitoring well quarterly. Historic groundwater gauging data obtained from April 11, 1988 through June 18, 2008, is presented in **Table 1**. A groundwater elevation contour map based on the June 18, 2008 data is presented in **Figure 1**. Groundwater elevation data indicates that the general direction of groundwater flow beneath the site is toward the east-northeast with a hydraulic gradient of approximately 0.015 to 0.071 feet/foot. Data from well RE-6 was not used because this data was considered anomalous.

### Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from selected monitoring wells PW-1, RE-2, RE-3, RE-4, RE-6, RE-7, RS-8, RS-9, and RS-11 on June 18, 2008. In a letter from the Alameda County Health Care Services (ACHCS) dated November 6, 2001, the ACHCS released Thrifty from collecting groundwater samples from wells PW-2, RE-1, RE-5, RS-8, and RS-10 until further notice. Due to a suspected release from the site in year 2004, Thrifty decided to sample well RS-8 to further assess the extent of the dissolved hydrocarbon plume.

Groundwater samples were obtained by EMC and delivered in a chilled state in an ice chest following strict Chain-of-Custody procedures to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M for gasoline and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8260B. Copies of the EMC Field Status Reports are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, BTEX, and MTBE concentrations appear in the **Summary Table** and **Table 1**, and laboratory reports are provided in **Appendix B**. TPHg, benzene, and MTBE isoconcentration maps are presented in **Figures 2, 3, and 4**, respectively. The laboratory analytical results indicate that all hydrocarbon constituent

concentrations are below method detection limits in all the wells. Thrifty has plotted TPHg, benzene, and MTBE concentrations over time versus groundwater elevations for wells RE-2 (**Figure 5**), RE-3 (**Figure 6**), RE-4 (**Figure 7**), RE-6 (**Figure 8**), RE-7 (**Figure 9**), and PW-1 (**Figure 10**), which clearly show the decrease in constituent concentrations through time.

The elevated dissolved hydrocarbon concentrations observed in years 2004 and 2005 at the former Thrifty site appear to be from an onsite unauthorized release, as was discussed in detail in several prior quarterly status reports. TOSCO (ConocoPhillips) Marketing Company was the operator of the service station from 1994 through 2006. ConocoPhillips acquired the lease in 1994 from BP Oil, who previously leased the property beginning on July 10, 1991.

### **Site Remediation Activities**

In August 1989, Remediation Service, Int'l. (RSI) installed a Spray Aeration Vapor Extraction (SAVE) system at the site for soil and groundwater remediation. However, due to unanticipated delays in permits, the system was not started until April 1990. Due to noise complaints, the system was operated only during daylight hours recovering hydrocarbon vapors during the first three months of operation. The equipment was moved to another location onsite in late June 1990, and from that date on the equipment was in operation for 24 hours a day.

On January 31, 2000, Thrifty submitted a *Request for Shutdown and Removal of the Vapor Extraction System* to the ACHCS. The ACHCS authorized the vapor extraction system shut down and removal on February 16, 2000. By the end of the operation, the system had destroyed a total of 5,631 pounds of hydrocarbons (**Table 2**) and treated/discharged 27,992 gallons of groundwater.

### **Temporary Closure of Underground Storage Tanks**

On June 30, 2006, ConocoPhillips ceased operations at the site. Subsequently, Thrifty performed activities for the temporary closure of three 10,000-gallon gasoline tanks at the site. The scope of work for the temporary closure was approved by the Alameda County Department of Environmental Health (ACDEH) in their letter dated September 28, 2006, and the temporary closure was completed by Cal-Phase Construction (Cal-Phase) and inspected by ACDEH on October 11, 2006. A report on the temporary closure activities was submitted by Cal-Phase in late October 2006.

### **Submittal of Additional Site Information and Site Conceptual Model**

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

### **Request for Site Closure**

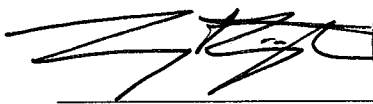

A review of groundwater sampling analytical data for the last several quarters has indicated that hydrocarbon concentrations have decreased significantly since the concentration spikes in years 2004 and 2005, *with all hydrocarbon constituent concentrations below method detection limits in all wells during the current sampling event.* These current results are consistent with the last several quarters of monitoring. The non-detectable dissolved hydrocarbon plume is probably due to the following: (1) historical remedial efforts which have significantly reduced the source area contamination; (2) the non-

operating status of the site since June 30, 2006, which has effectively eliminated any active hydrocarbon source(s); (3) the reduction of residual hydrocarbon concentrations through natural attenuation. Thrifty therefore believes that the residual dissolved plume should maintain a stable configuration, and requests that the Alameda County Department of Health grant site closure.

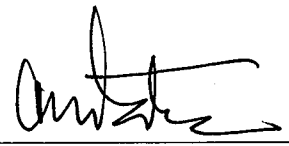
**Planned Activities**

Thrifty will continue the groundwater monitoring, gauging, and sampling events at this site on a quarterly basis, until site closure is granted. All interpretations expressed in this report are based solely upon the review of data collected by EMC and laboratory analyses by Associated Laboratories.

Sincerely,

Larry Higinbotham, R.G. 5497  
Project Manager

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Chris Panaitescu  
General Manager  
Environmental Affairs

## ***TABLES***

**SUMMARY TABLE  
CURRENT PERIOD GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, CA, 94546  
T0600101363**

WELL	STATUS	Monit./ Sampl. Date	ANALYTICAL PARAMETERS						MONITORING PARAMETERS				ELEVATION		WELL SCREEN (feet)
			TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	
PW-1	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.73	13.93	0.00	165.95	161.22	5 - 15
PW-2	INACT	06/18/08	-	-	-	-	-	-	NP	3.63	14.30	0.00	165.61	161.98	5 - 15
RE-1	INACT	06/18/08	-	-	-	-	-	-	NP	5.21	19.80	0.00	166.46	161.25	5 - 17
RE-2	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.03	16.98	0.00	166.61	161.58	5 - 17
RE-3	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.64	17.50	0.00	166.69	160.05	5 - 18
RE-4	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.94	14.49	0.00	166.23	161.29	5 - 15
RE-5	INACT	06/18/08	-	-	-	-	-	-	NP	5.19	17.77	0.00	166.56	161.37	5 - 20
RE-6	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.61	13.59	0.00	166.15	160.54	5 - 15
RE-7	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.11	13.15	0.00	165.33	160.22	5 - 15
RS-8	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	9.78	25.18	0.00	164.03	154.25	5 - 25
RS-9	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.15	14.93	0.00	167.05	162.90	5 - 15
RS-10	INACT	06/18/08	-	-	-	-	-	-	NP	5.90	24.30	0.00	162.43	156.53	5 - 25
RS-11	ACT	06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.25	24.70	0.00	162.71	156.46	5 - 25

<b>NOTE:</b>	<b>ACT</b>	Groundwater well currently used for monitoring	<b>TPHg</b>	= Total Petroleum Hydrocarbons as gasoline	<b>DTP</b>	= Depth To Product	" - "	= Not analyzed / Not available
	<b>INACT</b>	Groundwater well is NOT included in monitoring program	<b>B</b>	= Benzene	<b>DTW</b>	= Depth To Water	" < "	= Less than detection level indicated
	<b>DRY</b>	Groundwater well is dry and/or cannot be sampled	<b>T</b>	= Toluene	<b>DTB</b>	= Depth To Bottom	" J "	= Flag indicating value between MDL & PQL
	<b>NOACC</b>	Presently no access to groundwater well	<b>E</b>	= Ethylbenzene	<b>PT</b>	= Product Thickness		
	<b>DEST</b>	Well has been properly destroyed, no longer a conduit to subsurface	<b>X</b>	= Total Xylenes	<b>GW</b>	= Groundwater	NP	= No free product
	<b>AB</b>	Groundwater well is abandoned, but not yet destroyed	<b>MTBE</b>	= Methyl-tert-butyl ether				

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
<b>MONITORING WELL #PW-1</b>												
<i>Screen Interval = 5 to 15 feet (Est.)</i>												
04/11/88	-	-	-	-	-	-	-	-	-	-	-	-
04/09/90	230,000	600	2,700	1,000	16,000	-	-	NP	5.10	0.00	166.46	161.36
10/30/90	35,000	240	970	240	3,580	-	-	NP	6.17	0.00	166.46	160.29
01/18/91	37,000	43	140	42	1,600	-	-	NP	6.28	0.00	166.46	160.18
02/12/91	45,000	99	130	25	700	-	-	NP	5.88	0.00	166.46	160.58
03/20/91	1,900	0.43	ND	ND	2.8	-	-	NP	4.75	0.00	166.46	161.71
05/22/91	41,000	600	730	250	3,800	-	-	NP	5.10	0.00	166.46	161.36
06/19/91	-	-	-	-	-	-	-	NP	5.61	0.00	166.46	160.85
07/17/91	-	-	-	-	-	-	-	FILM	5.53	0.00	166.46	160.93
08/07/91	-	-	-	-	-	-	-	FILM	5.67	0.00	166.46	160.79
09/24/91	-	-	-	-	-	-	-	FILM	5.57	0.00	166.46	160.89
10/23/91	-	-	-	-	-	-	-	FILM	6.53	0.00	166.46	159.93
11/06/91	-	-	-	-	-	-	-	FILM	5.85	0.00	166.46	160.61
12/04/91	-	-	-	-	-	-	-	FILM	5.91	0.00	166.46	160.55
01/29/92	-	-	-	-	-	-	-	FILM	5.43	0.00	166.46	161.03
02/26/92	-	-	-	-	-	-	-	FILM	5.54	0.00	166.46	160.92
03/19/92	ND	ND	ND	ND	ND	-	-	NP	5.47	0.00	166.46	160.99
04/22/92	-	-	-	-	-	-	-	FILM	5.62	0.00	166.46	160.84
05/21/92	1,300	19	2.9	0.7	58	-	-	NP	6.21	0.00	166.46	160.25
06/25/92	-	-	-	-	-	-	-	NP	6.94	0.00	166.46	159.52
07/30/92	-	-	-	-	-	-	-	FILM	5.90	0.00	166.46	160.56
08/20/92	-	-	-	-	-	-	-	FILM	7.12	0.00	166.46	159.34
09/30/92	3,400	57	ND	26	240	-	-	NP	6.42	0.00	166.46	160.04
12/23/92	-	-	-	-	-	-	-	FILM	5.56	0.00	166.46	160.90
03/10/93	-	-	-	-	-	-	-	FILM	5.65	0.00	166.46	160.81
06/09/93	400	<0.5	1.1	<1.0	<1.0	-	-	NP	5.30	0.00	166.46	161.16
09/14/93	180	3.7	3.2	1.5	14	-	-	NP	5.43	0.00	166.46	161.03
12/14/93	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	4.65	0.00	166.46	161.81
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	5.43	0.00	166.46	161.03
06/06/94	330	1.3	<0.3	0.88	9.8	-	-	NP	4.70	0.00	166.46	161.76
09/06/94	1,100	67	<0.3	<0.3	24	-	-	NP	6.48	0.00	166.46	159.98
12/07/94	<50	<0.3	<0.3	<0.5	<0.5	-	-	NP	5.22	0.00	166.46	161.24
03/08/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	6.94	0.00	166.46	159.52
06/15/95	260	0.8	0.6	<0.5	3.2	-	-	NP	5.72	0.00	166.46	160.74
09/05/95	330	2.1	<0.5	2.1	9.6	-	-	NP	5.96	0.00	166.46	160.50
11/21/95	660	13	1.3	<0.3	4.0	-	-	NP	6.04	0.00	166.46	160.42
03/11/96	660	0.94	0.77	<0.3	8.1	-	-	NP	3.60	0.00	166.46	162.86
06/19/96	120	0.53	<0.3	<0.3	2.3	-	-	NP	4.80	0.00	166.46	161.66
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.10	0.00	166.46	161.36
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	4.92	0.00	166.46	161.54
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	4.50	0.00	166.46	161.96
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-	-
09/16/97	690	0.97	<0.3	<0.3	<0.5	<20	-	NP	4.55	0.00	166.46	161.91
12/09/97	640	150	0.64	<0.3	5.2	1,300	-	NP	5.60	0.00	166.46	160.86
03/03/98	<50	<0.3	0.57	<0.3	<0.5	<20	-	NP	4.13	0.00	166.46	162.33
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	6.35	0.00	166.46	160.11



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5.0	-	NP	6.40	0.00	166.46	160.06
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	6.35	0.00	166.46	160.11
06/22/99	<50	<0.3	<0.3	<0.3	<0.5	53	-	NP	4.95	0.00	166.46	161.51
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	4.80	0.00	166.46	161.66
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	3.64	0.00	166.46	162.82
03/23/00	<50	0.5	0.5	1.1	<0.5	<5.0	-	NP	4.03	0.00	166.46	162.43
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	-	<5.0	NP	4.40	0.00	166.46	162.06
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.73	0.00	166.46	161.73
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.01	0.00	166.46	162.45
03/22/01	600	<0.18	1.3	<0.18	<0.26	1,010	1,970	NP	6.32	0.00	166.46	160.14
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.32	0.00	166.46	160.14
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.32	0.00	166.46	160.14
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.02	0.00	166.46	160.44
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.30	0.00	166.46	160.16
06/12/02	1,320	1.0	1.0	<0.18	2.0	2,060	-	NP	6.30	0.00	166.46	160.16
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.06	0.00	166.46	159.40
12/18/02	113	<0.18	1.1	<0.18	<0.26	89	-	NP	6.30	0.00	166.46	160.16
03/19/03	<15	<0.04	2.2	<0.02	2.7	<0.03	-	NP	6.35	0.00	166.46	160.11
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	6.35	0.00	166.46	160.11
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.4	<0.18	NP	5.90	0.00	166.46	160.56
12/04/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	3.38	0.00	165.95	162.57
03/18/04	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	5.51	0.00	165.95	160.44
06/09/04	<15	<0.14	<0.16	<0.18	<0.45	<0.22	-	NP	5.35	0.00	165.95	160.60
09/02/04	133	<0.14	2.4	<0.18	1.9	<0.22	-	NP	6.33	0.00	165.95	159.62
12/08/04	<15	<0.14	1.3	<0.18	<0.45	<0.22	-	NP	4.59	0.00	165.95	161.36
03/16/05	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	5.90	0.00	165.95	160.05
06/01/05	49,300	1,540	3,990.0	154	6,190	69,000	42,000	NP	4.81	0.00	165.95	161.14
09/14/05	<2.9	<0.32	<0.10	<0.24	<0.30	-	<0.63	NP	4.74	0.00	165.95	161.21
12/06/05	272	6.6	1.5 J	5.1	9.6	-	217	NP	4.35	0.00	165.95	161.60
03/15/06	35,500	<3.2	<1.0	<2.4	862	-	28,500	NP	4.79	0.00	165.95	161.16
06/07/06	83	<0.32	<0.10	<0.24	<0.30	-	104	NP	4.74	0.00	165.95	161.21
09/26/06	9,810	<3.2	<1.0	<2.4	73	-	24,700	NP	4.37	0.00	165.95	161.58
12/05/06	26,500	<3.2	<1.0	<2.4	71	-	29,900	NP	4.74	0.00	165.95	161.21
03/14/07	638	<3.2	<1.0	<2.4	<3.0	-	941	NP	4.35	0.00	165.95	161.60
06/12/07	96	<0.18	1.7 J	<0.21	11	-	20	NP	6.22	0.00	165.95	159.73
09/12/07	77	1.4	<0.24	<0.21	<0.45	-	64	NP	6.87	0.00	165.95	159.08
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.72	0.00	165.95	161.23
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.81	0.00	165.95	161.14
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.73	0.00	165.95	161.22
<b>MONITORING WELL PW-2</b>												
<i>Screen Interval = 5 to 15 feet (Est.)</i>												
04/11/88	-	-	-	-	-	-	-	-	-	-	-	-
04/09/90	600,000	1,300	11,000	4,600	4,300	-	-	NP	5.81	0.00	166.18	160.37
10/30/90	48,000	310	51	10	480	-	-	NP	6.95	0.00	166.18	159.23
01/18/91	86,000	230	1,400	350	8,300	-	-	NP	6.92	0.00	166.18	159.26
02/12/91	160,000	680	1,300	250	7,000	-	-	NP	6.78	0.00	166.18	159.40
03/20/91	17,000	34	50	ND	1,100	-	-	NP	5.54	0.00	166.18	160.64

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MtBE - 8260 (ug/L)					
05/22/91	14,000	57	2,100	500	8,200	-	-	NP	6.07	0.00	166.18	160.11
06/19/91	-	-	-	-	-	-	-	FILM	6.37	0.00	166.18	159.81
07/17/91	-	-	-	-	-	-	-	FILM	6.38	0.00	166.18	159.80
08/07/91	-	-	-	-	-	-	-	FILM	6.63	0.00	166.18	159.55
09/24/91	-	-	-	-	-	-	-	FILM	6.42	0.00	166.18	159.76
10/23/91	-	-	-	-	-	-	-	FILM	7.25	0.00	166.18	158.93
11/06/91	-	-	-	-	-	-	-	FILM	6.44	0.00	166.18	159.74
12/04/91	-	-	-	-	-	-	-	FILM	6.65	0.00	166.18	159.53
01/29/92	-	-	-	-	-	-	-	FILM	6.17	0.00	166.18	160.01
02/26/92	-	-	-	-	-	-	-	FILM	5.90	0.00	166.18	160.28
03/19/92	-	-	-	-	-	-	-	FILM	5.80	0.00	166.18	160.38
04/22/92	-	-	-	-	-	-	-	FILM	5.88	0.00	166.18	160.30
05/21/92	-	-	-	-	-	-	-	FILM	6.03	0.00	166.18	160.15
06/25/92	-	-	-	-	-	-	-	FILM	6.57	0.00	166.18	159.61
07/30/92	-	-	-	-	-	-	-	FILM	6.20	0.00	166.18	159.98
08/20/92	-	-	-	-	-	-	-	FILM	6.64	0.00	166.18	159.54
09/30/92	-	-	-	-	-	-	-	FILM	6.88	0.00	166.18	159.30
12/23/92	-	-	-	-	-	-	-	FILM	6.08	0.00	166.18	160.10
03/10/93	-	-	-	-	-	-	-	FILM	5.95	0.00	166.18	160.23
06/09/93	3,400	24	22	<0.5	240	-	-	NP	5.38	0.00	166.18	160.80
09/14/93	4,900	190	15	6.8	480	-	-	NP	6.26	0.00	166.18	159.92
12/14/93	1,700	4.2	<0.3	<0.3	<0.5	-	-	NP	5.22	0.00	166.18	160.96
03/02/94	-	-	-	-	-	-	-	FILM	5.75	0.00	166.18	160.43
06/06/94	980	25	1.2	<0.3	42	-	-	NP	5.25	0.00	166.18	160.93
09/06/94	3,200	95	3.0	<1.7	76	-	-	NP	6.80	0.00	166.18	159.38
12/07/94	510	1.8	<0.3	<0.5	1.7	-	-	NP	5.57	0.00	166.18	160.61
03/08/95	1,900	<0.5	<0.5	1.4	35	-	-	NP	4.10	0.00	166.18	162.08
06/15/95	1,700	5.6	<0.5	<0.5	1.6	-	-	NP	5.44	0.00	166.18	160.74
09/05/95	2,500	33	1.0	0.86	18	-	-	NP	6.13	0.00	166.18	160.05
11/21/95	2,800	130	59	18	190	-	-	NP	6.23	0.00	166.18	159.95
03/11/96	13,000	330	460	<15	3,800	-	-	NP	4.48	0.00	166.18	161.70
06/19/96	1,400	<0.3	<0.3	<0.3	<0.5	-	-	NP	5.38	0.00	166.18	160.80
09/16/96	3,500	<0.3	<0.3	<0.3	<0.5	5,900	-	NP	5.21	0.00	166.18	160.97
12/10/96	2,100	<0.3	<0.3	<0.3	<0.5	4,700	-	NP	4.87	0.00	166.18	161.31
03/12/97	600	1.6	<0.3	<0.3	5.8	1,100	-	NP	4.43	0.00	166.18	161.75
06/12/97	270	<0.3	<0.3	<0.3	<0.5	630	-	-	-	-	-	-
09/10/97	220	<0.3	<0.3	<0.3	<0.5	320	-	NP	4.07	0.00	166.18	162.11
12/09/97	120	<0.3	0.73	<0.3	<0.5	420	-	NP	5.20	0.00	166.18	160.98
03/03/98	<50	0.43	0.48	<0.3	<0.5	47	-	NP	3.30	0.00	166.18	162.88
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.15	0.00	166.18	161.03
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5.0	-	NP	4.75	0.00	166.18	161.43
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	4.40	0.00	166.18	161.78
06/22/99	-	-	-	-	-	-	-	NP	4.50	0.00	166.18	161.68
09/08/99	100	<0.3	<0.3	<0.3	<0.5	230	-	NP	3.99	0.00	166.18	162.19
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	3.62	0.00	166.18	162.56
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	-	NP	2.93	0.00	166.18	163.25
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	-	<5.0	NP	3.60	0.00	166.18	162.58



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
06/25/92	-	-	-	-	-	-	-	FILM	5.14	0.00	166.82	161.68
07/30/92	-	-	-	-	-	-	-	FILM	5.30	0.00	166.82	161.52
08/20/92	-	-	-	-	-	-	-	FILM	5.28	0.00	166.82	161.54
09/30/92	-	-	-	-	-	-	-	FILM	5.66	0.00	166.82	161.16
12/23/92	-	-	-	-	-	-	-	FILM	4.81	0.00	166.82	162.01
03/10/93	-	-	-	-	-	-	-	FILM	4.13	0.00	166.82	162.69
06/09/93	-	-	-	-	-	-	-	FILM	4.48	0.00	166.82	162.34
09/14/93	19,000	3,600	1,100	740	4,300	-	-	NP	5.35	0.00	166.82	161.47
12/14/93	38,000	4,300	1,300	<6.6	11	-	-	NP	4.38	0.00	166.82	162.44
03/02/94	-	-	-	-	-	-	-	FILM	4.22	0.00	166.82	162.60
06/06/94	-	-	-	-	-	-	-	FILM	2.16	0.00	166.82	164.66
09/06/94	74,000	3,300	3,900	1,200	6,100	-	-	NP	5.00	0.00	166.82	161.82
12/07/94	30,000	3,200	2,900	1,200	4,600	-	-	NP	4.10	0.00	166.82	162.72
03/08/95	28,000	4,200	2,300	810	7,800	-	-	NP	3.92	0.00	166.82	162.90
06/15/95	-	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	-	FILM	4.78	0.00	166.82	162.04
11/21/95	-	-	-	-	-	-	-	NP	4.82	0.00	166.82	162.00
03/11/96	270	2.4	6.0	4.5	19	-	-	NP	3.32	0.00	166.82	163.50
06/19/96	3,000	570	63	<1.5	400	-	-	NP	4.20	0.00	166.82	162.62
09/16/96	7,700	440	69	<1.5	680	230	-	NP	4.68	0.00	166.82	162.14
12/10/96	52	<0.3	<0.3	<0.3	<0.5	120	-	NP	4.93	0.00	166.82	161.89
03/12/97	8,700	180	5.4	40	1,100	130	-	NP	4.10	0.00	166.82	162.72
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	36	-	-	-	-	-	-
09/16/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	4.55	0.00	166.82	162.27
12/09/97	<50	<0.3	0.44	<0.3	<0.5	<20	-	NP	5.30	0.00	166.82	161.52
03/03/98	1,100	13	0.51	<0.3	<0.5	220	-	NP	4.55	0.00	166.82	162.27
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	60	<0.3	<0.3	<0.3	<0.5	180	-	NP	6.05	0.00	166.82	160.77
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5.0	-	NP	5.65	0.00	166.82	161.17
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.68	0.00	166.82	161.14
06/22/99	880	14	0.98	<0.3	8.1	260	-	NP	4.95	0.00	166.82	161.87
09/08/99	72	<0.3	<0.3	<0.3	<0.5	120	-	NP	4.46	0.00	166.82	162.36
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	4.08	0.00	166.82	162.74
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	-	NP	3.68	0.00	166.82	163.14
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	-	<5.0	NP	4.07	0.00	166.82	162.75
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.07	0.00	166.82	162.75
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.06	0.00	166.82	162.76
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.22	0.00	166.82	161.60
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.99	0.00	166.82	160.83
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.84	0.00	166.82	161.98
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.80	0.00	166.82	162.02
03/13/02	-	-	-	-	-	-	-	NP	5.18	0.00	166.82	161.64
12/04/03	-	-	-	-	-	-	-	NP	4.50	0.00	166.46	161.96
03/18/04	-	-	-	-	-	-	-	NP	5.64	0.00	166.46	160.82
06/09/04	-	-	-	-	-	-	-	NP	5.65	0.00	166.46	160.81
09/02/04	-	-	-	-	-	-	-	NP	5.45	0.00	166.46	161.01
12/08/04	-	-	-	-	-	-	-	NP	4.64	0.00	166.46	161.82
03/16/05	-	-	-	-	-	-	-	NP	6.79	0.00	166.46	159.67

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
06/01/05	-	-	-	-	-	-	-	NP	4.43	0.00	166.46	162.03
09/14/05	-	-	-	-	-	-	-	NP	5.64	0.00	166.46	160.82
12/06/05	-	-	-	-	-	-	-	NP	5.64	0.00	166.46	160.82
03/15/06	-	-	-	-	-	-	-	NP	4.44	0.00	166.46	162.02
06/07/06	-	-	-	-	-	-	-	NP	6.02	0.00	166.46	160.44
09/26/06	-	-	-	-	-	-	-	NP	5.23	0.00	166.46	161.23
12/05/06	-	-	-	-	-	-	-	NP	5.26	0.00	166.46	161.20
03/14/07	-	-	-	-	-	-	-	NP	3.46	0.00	166.46	163.00
06/12/07	-	-	-	-	-	-	-	NP	4.82	0.00	166.46	161.64
09/12/07	-	-	-	-	-	-	-	NP	6.12	0.00	166.46	160.34
12/18/07	-	-	-	-	-	-	-	NP	5.23	0.00	166.46	161.23
03/11/08	-	-	-	-	-	-	-	NP	3.11	0.00	166.46	163.35
06/18/08	-	-	-	-	-	-	-	NP	5.21	0.00	166.46	161.25
<b>MONITORING WELL #RE-2</b>												
<i>Screen Interval = 5 to 17 feet</i>												
04/11/88	-	-	-	-	-	-	-	-	-	-	-	-
04/09/90	850	5.8	0.5	4.8	1.1	-	-	NP	4.90	0.00	167.19	162.29
10/30/90	440	2.8	0.91	13	3.14	-	-	NP	5.34	0.00	167.19	161.85
01/18/91	1,100	8.4	3.1	ND	10	-	-	NP	4.90	0.00	167.19	162.29
02/12/91	1,100	5.9	ND	1.77	ND	-	-	NP	4.94	0.00	167.19	162.25
03/20/91	550	4.3	ND	ND	ND	-	-	NP	4.32	0.00	167.19	162.87
05/22/91	1,000	5.3	3.6	4.4	8.9	-	-	NP	4.43	0.00	167.19	162.76
06/19/91	700	2.1	1.4	3.8	3.5	-	-	NP	6.43	0.00	167.19	160.76
07/17/91	880	12	8.0	4.3	28	-	-	NP	4.75	0.00	167.19	162.44
08/07/91	-	3.8	1.6	ND	ND	-	-	NP	4.87	0.00	167.19	162.32
09/24/91	670	7.2	7.1	ND	23	-	-	NP	5.50	0.00	167.19	161.69
10/23/91	2,700	52	60	22	130	-	-	NP	5.63	0.00	167.19	161.56
11/06/91	1,900	18	61	9.1	83	-	-	NP	5.14	0.00	167.19	162.05
12/04/91	1,100	26	47	4.3	42	-	-	NP	5.26	0.00	167.19	161.93
01/29/92	900	14	24	5.3	19	-	-	NP	5.11	0.00	167.19	162.08
02/26/92	500	3.4	3.5	2.7	2.7	-	-	NP	4.31	0.00	167.19	162.88
03/19/92	1,200	14	20	15	18	-	-	NP	4.45	0.00	167.19	162.74
04/22/92	200	ND	ND	ND	ND	-	-	NP	4.78	0.00	167.19	162.41
05/21/92	500	7.5	6.8	3.9	7.4	-	-	NP	5.02	0.00	167.19	162.17
06/25/92	ND	ND	0.9	0.7	ND	-	-	NP	5.13	0.00	167.19	162.06
07/30/92	500	7.7	8.6	3.2	1.7	-	-	NP	5.19	0.00	167.19	162.00
08/20/92	1,100	6.6	4.5	2.7	2.0	-	-	NP	5.27	0.00	167.19	161.92
09/30/92	500	5.4	2.4	1.8	4.5	-	-	NP	5.45	0.00	167.19	161.74
12/23/92	800	1.9	ND	ND	2.3	-	-	NP	4.60	0.00	167.19	162.59
03/10/93	1,200	ND	1.4	ND	2.1	-	-	NP	4.18	0.00	167.19	163.01
06/09/93	200	ND	ND	ND	ND	-	-	NP	4.53	0.00	167.19	162.66
09/17/93	360	1.6	1.1	3.2	8.9	-	-	NP	5.26	0.00	167.19	161.93
12/14/93	260	5.6	3.9	<0.3	21.0	-	-	NP	2.75	0.00	167.19	164.44
03/02/94	410	<0.3	<0.3	<0.3	<0.5	-	-	NP	4.27	0.00	167.19	162.92
06/06/94	760	4.6	<0.3	0.32	1.3	-	-	NP	4.88	0.00	167.19	162.31
09/06/94	1,300	43	45	8.9	69	-	-	NP	5.16	0.00	167.19	162.03
12/07/94	-	-	-	-	-	-	-	NP	4.16	0.00	167.19	163.03



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3		<0.63	NP	4.06	0.00	166.61	162.55
06/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.04	0.00	166.61	161.57
09/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.94	0.00	166.61	160.67
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.04	0.00	166.61	161.57
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	3.77	0.00	166.61	162.84
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.03	0.00	166.61	161.58
<b>MONITORING WELL #RE-3</b>												
<i>Screen Interval = 5 to 18 feet</i>												
04/11/88	70,000	6,600	5,300	800	13,000	-	-	-	-	-	-	-
04/09/90	370,000	2,300	4,900	3,200	31,000	-	-	NP	7.15	0.00	167.39	160.24
10/30/90	13,000	860	660	220	2,210	-	-	NP	7.84	0.00	167.39	159.55
01/18/91	42,000	4,700	4,500	21	7,700	-	-	NP	6.90	0.00	167.39	160.49
02/12/91	72,000	3,600	4,500	ND	7,600	-	-	NP	6.62	0.00	167.39	160.77
03/20/91	65,000	2,400	9,400	50	9,800	-	-	NP	5.87	0.00	167.39	161.52
05/22/91	-	-	-	-	-	-	-	FILM	5.98	0.00	167.39	161.41
06/19/91	-	-	-	-	-	-	-	FILM	6.84	0.00	167.39	160.55
07/17/91	-	-	-	-	-	-	-	FILM	7.10	0.00	167.39	160.29
08/07/91	-	-	-	-	-	-	-	FILM	7.30	0.00	167.39	160.09
09/24/91	-	-	-	-	-	-	-	FILM	7.84	0.00	167.39	159.55
10/23/91	-	-	-	-	-	-	-	FILM	8.07	0.00	167.39	159.32
11/06/91	-	-	-	-	-	-	-	FILM	7.63	0.00	167.39	159.76
12/04/91	-	-	-	-	-	-	-	FILM	7.83	0.00	167.39	159.56
01/29/92	-	-	-	-	-	-	-	FILM	7.17	0.00	167.39	160.22
02/26/92	-	-	-	-	-	-	-	FILM	5.56	0.00	167.39	161.83
03/19/92	-	-	-	-	-	-	-	FILM	5.44	0.00	167.39	161.95
04/22/92	-	-	-	-	-	-	-	FILM	6.56	0.00	167.39	160.83
05/21/92	-	-	-	-	-	-	-	FILM	6.90	0.00	167.39	160.49
06/25/92	-	-	-	-	-	-	-	FILM	7.18	0.00	167.39	160.21
07/30/92	-	-	-	-	-	-	-	FILM	6.80	0.00	167.39	160.59
08/20/92	-	-	-	-	-	-	-	FILM	7.25	0.00	167.39	160.14
09/30/92	-	-	-	-	-	-	-	FILM	7.68	0.00	167.39	159.71
12/23/92	-	-	-	-	-	-	-	FILM	6.07	0.00	167.39	161.32
03/10/93	-	-	-	-	-	-	-	FILM	5.66	0.00	167.39	161.73
06/09/93	-	-	-	-	-	-	-	FILM	6.66	0.00	167.39	160.73
09/14/93	40,000	2,900	1,500	180	6,900	-	-	NP	7.30	0.00	167.39	160.09
12/14/93	-	-	-	-	-	-	-	NP	5.95	0.00	167.39	161.44
03/02/94	-	-	-	-	-	-	-	NP	5.08	0.00	167.39	162.31
06/06/94	-	-	-	-	-	-	-	FILM	6.35	0.00	167.39	161.04
09/06/94	11,000	260	26	<6.6	1,000	-	-	NP	7.50	0.00	167.39	159.89
12/07/94	-	-	-	-	-	-	-	FILM	5.48	0.00	167.39	161.91
03/08/95	-	-	-	-	-	-	-	FILM	5.18	0.00	167.39	162.21
06/15/95	-	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	-	FILM	6.84	0.00	167.39	160.55
11/21/95	10,000	210	<3.0	4.5	330	-	-	NP	7.38	0.00	167.39	160.01
03/11/96	1,600	640	15	10	46	-	-	NP	4.85	0.00	167.39	162.54
06/19/96	2,100	280	<3.0	<3.0	120	-	-	NP	5.80	0.00	167.39	161.59
09/16/96	140	<0.3	<0.3	<0.3	<0.5	110	-	NP	4.50	0.00	167.39	162.89





**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
<b>MONITORING WELL #RE-4</b>												
<i>Screen Interval = 5 to 15 feet</i>												
04/11/88	15,000	12,000	8,000	1,000	2,700	-	-	-	-	-	-	-
04/09/90	-	-	-	-	-	-	-	-	-	-	-	-
10/30/90	87,000	7,200	10,000	1,600	12,900	-	-	NP	7.04	0.00	166.94	159.90
01/18/91	70,000	5,000	5,400	790	9,900	-	-	NP	11.62	0.00	166.94	155.32
02/12/91	87,000	5,200	2,800	240	11,000	-	-	NP	11.63	0.00	166.94	155.31
03/20/91	6,500	370	230	17	670	-	-	NP	11.61	0.00	166.94	155.33
05/22/91	-	-	-	-	-	-	-	FILM	10.30	0.00	166.94	156.64
06/19/91	-	-	-	-	-	-	-	FILM	11.10	0.00	166.94	155.84
07/17/91	-	-	-	-	-	-	-	FILM	6.20	0.00	166.94	160.74
08/17/91	-	-	-	-	-	-	-	FILM	8.15	0.00	166.94	158.79
09/24/91	-	-	-	-	-	-	-	FILM	10.40	0.00	166.94	156.54
10/23/91	-	-	-	-	-	-	-	FILM	11.20	0.00	166.94	155.74
11/06/91	-	-	-	-	-	-	-	FILM	6.62	0.00	166.94	160.32
12/04/91	-	-	-	-	-	-	-	FILM	11.20	0.00	166.94	155.74
01/29/92	-	-	-	-	-	-	-	FILM	7.72	0.00	166.94	159.22
02/26/92	-	-	-	-	-	-	-	FILM	5.13	0.00	166.94	161.81
03/19/92	-	-	-	-	-	-	-	FILM	5.00	0.00	166.94	161.94
04/22/92	-	-	-	-	-	-	-	FILM	5.94	0.00	166.94	161.00
05/21/92	-	-	-	-	-	-	-	FILM	5.40	0.00	166.94	161.54
06/25/92	-	-	-	-	-	-	-	FILM	5.71	0.00	166.94	161.23
07/30/92	-	-	-	-	-	-	-	FILM	6.33	0.00	166.94	160.61
08/20/92	-	-	-	-	-	-	-	FILM	5.80	0.00	166.94	161.14
09/30/92	-	-	-	-	-	-	-	FILM	6.34	0.00	166.94	160.60
12/23/92	-	-	-	-	-	-	-	FILM	5.50	0.00	166.94	161.44
03/10/93	-	-	-	-	-	-	-	FILM	4.67	0.00	166.94	162.27
06/09/93	-	-	-	-	-	-	-	FILM	5.12	0.00	166.94	161.82
09/14/93	-	-	-	-	-	-	-	NP	10.44	0.00	166.94	156.50
12/14/93	-	-	-	-	-	-	-	NP	7.52	0.00	166.94	159.42
03/02/94	-	-	-	-	-	-	-	NP	4.85	0.00	166.94	162.09
06/06/94	-	-	-	-	-	-	-	FILM	5.20	0.00	166.94	161.74
09/06/94	-	-	-	-	-	-	-	FILM	9.85	0.00	166.94	157.09
12/07/94	-	-	-	-	-	-	-	FILM	5.20	0.00	166.94	161.74
03/08/95	-	-	-	-	-	-	-	FILM	4.98	0.00	166.94	161.96
06/15/95	-	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	-	FILM	13.72	0.00	166.94	153.22
11/21/95	32,000	46	21	66	340	-	-	NP	12.53	0.00	166.94	154.41
03/11/96	1,700	130	15	2.0	120	-	-	NP	4.72	0.00	166.94	162.22
06/19/96	1,700	230	30	0.35	100	-	-	NP	5.40	0.00	166.94	161.54
09/16/96	510	<0.3	0.73	<0.3	<0.5	800	-	NP	5.18	0.00	166.94	161.76
12/10/96	520	<0.3	<0.3	<0.3	<0.5	1,000	-	NP	4.65	0.00	166.94	162.29
03/12/97	420	3.2	<0.3	<0.3	11	370	-	NP	3.87	0.00	166.94	163.07
06/12/97	510	0.66	<0.3	<0.3	<0.5	1,600	-	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.40	0.00	166.94	161.54
12/09/97	1,400	330	2.3	<0.3	1.5	2,500	-	NP	4.60	0.00	166.94	162.34
03/03/98	3,000	400	0.61	0.5	97	3,800	-	NP	5.05	0.00	166.94	161.89
07/08/98	650	<0.3	<0.3	<0.3	<0.5	1,800	-	-	-	-	-	-



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
03/20/91	3,000	250	53	ND	110	-	-	NP	5.08	0.00	166.51	161.43
05/22/91	2,500	330	7.8	5.6	200	-	-	NP	4.52	0.00	166.51	161.99
01/19/91	2,000	59	1.6	5.1	110	-	-	NP	4.39	0.00	166.51	162.12
07/17/91	-	-	-	-	-	-	-	FILM	5.05	0.00	166.51	161.46
08/07/91	-	-	-	-	-	-	-	FILM	5.02	0.00	166.51	161.49
09/24/91	-	-	-	-	-	-	-	FILM	5.86	0.00	166.51	160.65
10/23/91	-	-	-	-	-	-	-	FILM	5.84	0.00	166.51	160.67
11/06/91	9,900	2,300	37	260	160	-	-	NP	5.48	0.00	166.51	161.03
12/04/91	4,500	1,000	27	ND	180	-	-	NP	5.43	0.00	166.51	161.08
01/29/92	600	6.1	2.3	ND	47	-	-	NP	5.12	0.00	166.51	161.39
02/26/92	500	5.4	2.7	1.2	14	-	-	NP	4.93	0.00	166.51	161.58
03/19/92	ND	1.7	1.1	ND	5.5	-	-	NP	4.45	0.00	166.51	162.06
04/22/92	1,600	240	2.2	ND	160	-	-	NP	4.63	0.00	166.51	161.88
05/21/92	1,200	410	37	ND	118	-	-	NP	4.90	0.00	166.51	161.61
06/25/92	ND	1.0	0.8	0.8	0.4	-	-	NP	5.15	0.00	166.51	161.36
07/30/92	ND	2.0	1.8	1.9	6.4	-	-	NP	5.30	0.00	166.51	161.21
08/20/92	300	1.7	3.3	0.7	12	-	-	NP	5.44	0.00	166.51	161.07
09/30/92	1,900	140	ND	19	35	-	-	NP	5.73	0.00	166.51	160.78
12/23/92	400	8.0	ND	ND	ND	-	-	NP	4.75	0.00	166.51	161.76
03/10/93	1,100	290	9.7	ND	75	-	-	NP	4.14	0.00	166.51	162.37
06/09/93	400	1.5	0.5	ND	12	-	-	NP	5.42	0.00	166.51	161.09
09/14/93	240	6.9	8.8	1.4	67	-	-	NP	5.53	0.00	166.51	160.98
12/14/93	3,300	510	5.4	4.1	55	-	-	NP	478.00	0.00	166.51	-311.49
03/02/94	2,400	270	4.5	<0.3	13	-	-	NP	4.20	0.00	166.51	162.31
06/06/94	730	<0.3	<0.3	0.70	22	-	-	NP	5.13	0.00	166.51	161.38
09/06/94	2,400	180	28	2.3	76	-	-	NP	5.45	0.00	166.51	161.06
12/07/94	540	5.6	<0.3	<0.5	6.9	-	-	NP	4.13	0.00	166.51	162.38
03/08/95	1,500	220	5.5	<0.5	83	-	-	NP	5.20	0.00	166.51	161.31
06/15/95	3,200	820	53	6.2	74	-	-	NP	4.93	0.00	166.51	161.58
09/05/95	4,400	440	22	<2.5	57	-	-	NP	5.03	0.00	166.51	161.48
11/21/95	660	3.4	<0.3	<0.3	0.6	-	-	NP	5.23	0.00	166.51	161.28
03/11/96	1,000	76	2.2	<0.3	130	-	-	NP	4.16	0.00	166.51	162.35
06/09/96	90	<0.3	<0.3	<0.3	<0.5	-	-	NP	5.42	0.00	166.51	161.09
09/16/96	1,900	5.8	<0.3	<0.3	5.9	1,100	-	NP	5.20	0.00	166.51	161.31
12/10/96	740	<0.3	<0.3	<0.3	<0.5	1,300	-	NP	5.27	0.00	166.51	161.24
03/12/97	2,000	600	59	5.1	54	1,300	-	NP	3.85	0.00	166.51	162.66
06/12/97	230	<0.3	<0.3	<0.3	<0.5	720	-	-	-	-	-	-
09/10/97	210	<0.3	<0.3	<0.3	<0.5	210	-	NP	4.10	0.00	166.51	162.41
12/09/97	11,000	2,500	2,700	<6	1,500	510	-	NP	5.20	0.00	166.51	161.31
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	3.70	0.00	166.51	162.81
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	6.77	0.00	166.51	159.74
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.95	0.00	166.51	160.56
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.25	0.00	166.51	161.26
06/22/99	110	<0.3	<0.3	<0.3	<0.5	200	-	NP	4.50	0.00	166.51	162.01
09/08/99	68	<0.3	<0.3	<0.3	<0.5	110	-	NP	4.43	0.00	166.51	162.08
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	3.66	0.00	166.51	162.85



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
04/22/92	-	730	2.2	ND	40	-	-	NP	6.00	0.00	166.51	160.51
05/21/92	1,500	840	7.8	7.1	34	-	-	NP	6.25	0.00	166.51	160.26
06/25/92	<2000	740	8.0	27	28	-	-	NP	6.38	0.00	166.51	160.13
07/30/92	-	-	-	-	-	-	-	FILM	6.42	0.00	166.51	160.09
08/20/92	2,800	630	17	23	22	-	-	NP	6.50	0.00	166.51	160.01
09/30/92	7,800	540	ND	12	29	-	-	NP	6.66	0.00	166.51	159.85
12/23/92	1,800	350	ND	7.7	11	-	-	NP	5.83	0.00	166.51	160.68
03/10/93	3,000	830	5.6	19	16	-	-	NP	5.63	0.00	166.51	160.88
06/09/93	4,800	920	6.2	3.2	12	-	-	NP	6.01	0.00	166.51	160.50
09/14/93	3,600	660	7.5	11	27	-	-	NP	6.53	0.00	166.51	159.98
12/14/93	1,500	200	<0.3	<0.3	8.8	-	-	NP	3.58	0.00	166.51	162.93
03/02/94	-	-	-	-	-	-	-	NP	5.12	0.00	166.51	161.39
06/06/94	2,400	290	4.6	1.3	24	-	-	NP	1.85	0.00	166.51	164.66
09/06/94	4,300	230	21	<6.6	130	-	-	NP	6.40	0.00	166.51	160.11
12/07/94	1,500	17	2.5	3.2	22	-	-	NP	5.68	0.00	166.51	160.83
03/08/95	2,500	460	5.5	2.1	51	-	-	NP	5.12	0.00	166.51	161.39
06/15/95	2,300	91	1.1	0.7	97	-	-	NP	5.72	0.00	166.51	160.79
09/05/95	3,300	60	<10	<10	74	-	-	NP	5.94	0.00	166.51	160.57
11/21/95	2,000	7.3	<0.3	0.56	8.7	-	-	NP	6.24	0.00	166.51	160.27
03/11/96	840	43	0.96	5.7	14	-	-	NP	5.16	0.00	166.51	161.35
06/19/96	1,800	160	2.7	9.9	25	-	-	NP	5.80	0.00	166.51	160.71
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.38	0.00	166.51	161.13
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.62	0.00	166.51	160.89
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.20	0.00	166.51	161.31
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-	-
09/10/97	440	<0.3	<0.3	<0.3	<0.5	320	-	NP	5.20	0.00	166.51	161.31
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	5.97	0.00	166.51	160.54
03/03/98	400	7.0	<0.3	<0.3	4.3	65	-	NP	4.45	0.00	166.51	162.06
07/08/98	300	<0.3	<0.3	<0.3	1.0	35	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.90	0.00	166.51	160.61
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.20	0.00	166.51	161.31
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	8.4	-	NP	4.82	0.00	166.51	161.69
06/22/99	700	11	1.9	<0.3	3.9	140	-	NP	6.00	0.00	166.51	160.51
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	-	NP	5.15	0.00	166.51	161.36
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	12	-	NP	4.02	0.00	166.51	162.49
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	-	NP	4.41	0.00	166.51	162.10
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	<5.0	-	NP	4.78	0.00	166.51	161.73
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.78	0.00	166.51	161.73
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	4.77	0.00	166.51	161.74
03/22/01	367	<0.18	<0.14	<0.18	<0.26	581	674	NP	5.54	0.00	166.51	160.97
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.92	0.00	166.51	160.59
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.93	0.00	166.51	160.58
12/12/01	138	<0.18	<0.14	<0.18	<0.26	7.0	<0.6	NP	6.20	0.00	166.51	160.31
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.55	0.00	166.51	160.96
06/12/02	895	<0.18	1.0	<0.18	<0.26	1,360	-	NP	5.93	0.00	166.51	160.58
09/18/02	759	<0.18	<0.14	<0.18	<0.26	644	-	NP	6.03	0.00	166.51	160.48
12/18/02	531	<0.18	<0.14	<0.18	<0.26	441	-	NP	5.65	0.00	166.51	160.86
03/19/03	955	<0.04	<0.02	<0.02	<0.06	585	-	NP	6.34	0.00	166.51	160.17

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
06/11/03	945	<0.04	<0.02	<0.02	<0.06	328	-	NP	6.34	0.00	166.51	160.17
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	5.92	0.00	166.51	160.59
12/04/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	4.00	0.00	166.15	162.15
03/18/04	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	5.54	0.00	166.15	160.61
06/10/04	340	2.6	1.5	<0.18	1.8	283	-	NP	6.12	0.00	166.15	160.03
09/02/04	1,720	4.9	8.2	8.7	7.7	633	410	NP	6.50	0.00	166.15	159.65
12/09/04	297,000	1,620	38,500	9,470	56,000	6,660	8,870	NP	4.48	0.00	166.15	161.67
03/16/05	55,000	630	9,470	1,590	10,100	-	4,480	NP	6.67	0.00	166.15	159.48
06/01/05	19,400	380	4,350	864	4,850	3,140	2,180	NP	5.14	0.00	166.15	161.01
09/14/05	1,730	31	1.2 J	<0.24	126	-	1,090	NP	3.99	0.00	166.15	162.16
12/06/05	8,040	143	30 J	113	218	-	4,410	NP	4.38	0.00	166.15	161.77
03/15/06	166	<0.32	<0.10	<0.24	<0.30	-	117	NP	5.12	0.00	166.15	161.03
06/07/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	95	NP	5.15	0.00	166.15	161.00
09/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	35	NP	6.27	0.00	166.15	159.88
12/05/06	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	5.58	0.00	166.15	160.57
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	5.76	0.00	166.15	160.39
06/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.53	0.00	166.15	159.62
09/12/07	<5.6	<0.18	<0.24	<0.21	2.1 J	-	4.2	NP	7.04	0.00	166.15	159.11
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.60	0.00	166.15	160.55
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.76	0.00	166.15	160.39
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.61	0.00	166.15	160.54
<b>MONITORING WELL #RE-7</b>												
<i>Screen Interval = 5 to 15 feet</i>												
04/11/88	<50,000	17,000	4,400	600	8,400	-	-	-	-	-	-	-
04/09/90	16,000	7,000	1,200	640	1,600	-	-	NP	5.93	0.00	166.04	160.11
10/30/90	31,000	14,000	ND	ND	ND	-	-	NP	8.21	0.00	166.04	157.83
01/18/91	-	-	-	-	-	-	-	NP	11.80	0.00	166.04	154.24
02/12/91	-	-	-	-	-	-	-	FILM	10.80	0.00	166.04	155.24
03/20/91	120,000	12,000	2,800	490	6,600	-	-	NP	9.96	0.00	166.04	156.08
05/22/91	-	-	-	-	-	-	-	FILM	11.70	0.00	166.04	154.34
06/19/91	-	-	-	-	-	-	-	FILM	11.50	0.00	166.04	154.54
07/17/91	-	-	-	-	-	-	-	FILM	7.80	0.00	166.04	158.24
08/07/91	-	-	-	-	-	-	-	0.03	9.88	9.85	166.04	163.60
09/24/91	-	-	-	-	-	-	-	0.03	9.85	9.82	166.04	163.60
10/23/91	-	-	-	-	-	-	-	FILM	9.96	0.00	166.04	156.08
11/06/91	-	-	-	-	-	-	-	FILM	6.77	0.00	166.04	159.27
12/04/91	-	-	-	-	-	-	-	FILM	10.80	0.00	166.04	155.24
01/29/92	-	-	-	-	-	-	-	FILM	8.64	0.00	166.04	157.40
02/26/92	-	-	-	-	-	-	-	FILM	6.00	0.00	166.04	160.04
03/19/92	-	-	-	-	-	-	-	FILM	5.55	0.00	166.04	160.49
04/22/92	-	-	-	-	-	-	-	FILM	6.12	0.00	166.04	159.92
05/21/92	-	-	-	-	-	-	-	FILM	6.40	0.00	166.04	159.64
06/25/92	-	-	-	-	-	-	-	0.02	6.73	6.71	166.04	164.38
07/30/92	-	-	-	-	-	-	-	FILM	6.73	0.00	166.04	159.31
08/20/92	-	-	-	-	-	-	-	FILM	6.82	0.00	166.04	159.22
09/30/92	-	-	-	-	-	-	-	FILM	7.26	0.00	166.04	158.78
12/23/92	-	-	-	-	-	-	-	FILM	6.22	0.00	166.04	159.82

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
03/10/93	-	-	-	-	-	-	-	FILM	5.82	0.00	166.04	160.22
06/09/93	-	-	-	-	-	-	-	FILM	6.17	0.00	166.04	159.87
09/14/93	-	-	-	-	-	-	-	NP	11.33	0.00	166.04	154.71
12/14/93	-	-	-	-	-	-	-	NP	8.40	0.00	166.04	157.64
03/02/94	-	-	-	-	-	-	-	NP	6.82	0.00	166.04	159.22
06/06/94	-	-	-	-	-	-	-	FILM	10.95	0.00	166.04	155.09
09/06/94	-	-	-	-	-	-	-	FILM	11.30	0.00	166.04	154.74
12/07/94	-	-	-	-	-	-	-	FILM	5.63	0.00	166.04	160.41
03/08/95	-	-	-	-	-	-	-	FILM	5.06	0.00	166.04	160.98
06/15/95	-	-	-	-	-	-	-	-	-	-	-	-
09/05/95	-	-	-	-	-	-	-	FILM	7.98	0.00	166.04	158.06
11/21/95	20,000	8,800	110	<30	310	-	-	NP	7.32	0.00	166.04	158.72
03/11/96	4,800	2,200	38	26	120	-	-	NP	5.62	0.00	166.04	160.42
06/19/96	4,400	3,300	49	5.8	70	-	-	NP	6.40	0.00	166.04	159.64
09/19/96	7,200	510	83	<0.3	710	130	-	NP	6.20	0.00	166.04	159.84
12/10/96	700	<0.3	<0.3	<0.3	<0.5	1,400	-	NP	5.92	0.00	166.04	160.12
03/12/97	660	0.31	<0.3	<0.3	<0.5	1,400	-	NP	5.62	0.00	166.04	160.42
06/12/97	320	<0.3	0.45	<0.3	<0.5	850	-	-	-	-	-	-
09/10/97	780	<0.3	<0.3	<0.3	<0.5	930	-	NP	7.45	0.00	166.04	158.59
12/09/97	14,000	3,500	3,700	<15	2,100	1,100	-	NP	7.10	0.00	166.04	158.94
03/03/98	6,100	2,500	18	<6	110	270	-	NP	6.70	0.00	166.04	159.34
07/08/98	1,300	8.7	<0.3	<0.3	<0.5	350	-	-	-	-	-	-
09/10/98	690	2.2	<0.3	<0.3	<0.5	350	-	NP	7.04	0.00	166.04	159.00
12/30/98	600	2.0	0.55	<0.3	<0.5	350	-	NP	6.25	0.00	166.04	159.79
03/15/99	350	0.71	<0.3	<0.3	<0.5	140	-	NP	6.02	0.00	166.04	160.02
06/22/99	5,900	2,100	16	4.6	48	170	-	NP	6.35	0.00	166.04	159.69
09/08/99	1,700	380	<3.0	<3.0	13	160	-	NP	7.03	0.00	166.04	159.01
12/01/99	930	3.7	<0.3	<0.3	<0.5	390	-	NP	6.25	0.00	166.04	159.79
03/23/00	581	5.4	5.3	1.9	7.3	168	183	NP	6.24	0.00	166.04	159.80
06/08/00	<100	<5.0	<5.0	<5.0	<5.0	-	74	NP	6.64	0.00	166.04	159.40
09/27/00	236	<0.18	<0.14	<0.18	<0.26	21	28	NP	7.03	0.00	166.04	159.01
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	13	19.8	NP	6.63	0.00	166.04	159.41
03/22/01	504	<0.18	<0.14	<0.18	1.0	666	1,420	NP	7.02	0.00	166.04	159.02
06/15/01	144	5.0	<0.14	0.5	2.0	369	408	NP	7.02	0.00	166.04	159.02
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.79	0.00	166.04	158.25
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.28	0.00	166.04	158.76
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.02	0.00	166.04	160.02
06/12/02	5,130	772	970	59	550	113	-	NP	7.79	0.00	166.04	158.25
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.40	0.00	166.04	158.64
12/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.63	0.00	166.04	159.41
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	7.40	0.00	166.04	158.64
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	8.3	-	NP	7.40	0.00	166.04	158.64
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	7.39	0.00	166.04	158.65
12/04/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	6.63	0.00	165.33	158.70
03/18/04	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	6.63	0.00	165.33	158.70
06/10/04	14,500	348	1,460	306	3,070	207	-	NP	6.20	0.00	165.33	159.13
09/02/04	35,900	2,390	174	1,250	8,020	419	274	NP	7.05	0.00	165.33	158.28

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
12/08/04	276,000	4,380	34,800	5,370	25,000	59,600	70,500	NP	3.80	0.00	165.33	161.53
03/16/05	114,000	2,840	19,400	2,760	14,400	-	29,300	NP	6.64	0.00	165.33	158.69
06/01/05	45,200	1,860	8,690	1,180	4,980	38,000	24,100	NP	7.06	0.00	165.33	158.27
09/14/05	33,900	770	943	<12	3,160	-	24,500	NP	7.02	0.00	165.33	158.31
12/06/05	25,600	<16	<5	<12	<15	-	22,300	NP	3.96	0.00	165.33	161.37
03/15/06	11,700	73	<1.0	143	22 J	-	10,200	NP	7.05	0.00	165.33	158.28
06/07/06	5,090	<3.2	852	223	1,040	-	<6.3	NP	7.01	0.00	165.33	158.32
09/26/06	112	<0.32	<0.10	<0.24	<0.30	-	15	NP	5.43	0.00	165.33	159.90
12/05/06	<5.6	<0.32	<0.10	<0.24	<0.3	-	18	NP	5.12	0.00	165.33	160.21
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	3.98	0.00	165.33	161.35
06/12/07	866	25	1.8 J	1.2 J	1.9 J	-	51	NP	6.12	0.00	165.33	159.21
09/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.76	0.00	165.33	158.57
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.13	0.00	165.33	160.20
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.67	0.00	165.33	160.66
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	5.11	0.00	165.33	160.22
MONITORING WELL #RS-8 <i>Screen Interval = 5 to 25 feet</i>												
08/07/91	ND	ND	ND	ND	ND	-	-	NP	9.68	0.00	164.32	154.64
09/27/91	ND	ND	ND	ND	ND	-	-	NP	9.89	0.00	164.32	154.43
10/23/91	ND	ND	ND	ND	ND	-	-	NP	10.05	0.00	164.32	154.27
11/06/91	ND	ND	ND	ND	ND	-	-	NP	9.71	0.00	164.32	154.61
12/04/91	ND	ND	ND	ND	ND	-	-	NP	10.00	0.00	164.32	154.32
01/29/92	ND	2.1	1.0	2.5	3.6	-	-	NP	9.28	0.00	164.32	155.04
02/26/92	ND	ND	0.7	ND	0.7	-	-	NP	7.05	0.00	164.32	157.27
03/19/92	ND	0.5	1.0	1.5	2.7	-	-	NP	7.30	0.00	164.32	157.02
04/22/92	ND	ND	ND	ND	ND	-	-	NP	8.60	0.00	164.32	155.72
05/21/92	ND	ND	ND	ND	ND	-	-	NP	9.22	0.00	164.32	155.10
06/25/92	ND	ND	ND	ND	ND	-	-	NP	9.49	0.00	164.32	154.83
07/30/92	ND	1.1	4.2	ND	3.0	-	-	NP	9.55	0.00	164.32	154.77
08/20/92	ND	2.0	4.7	ND	5.7	-	-	NP	9.63	0.00	164.32	154.69
09/30/92	ND	ND	ND	ND	ND	-	-	NP	9.90	0.00	164.32	154.42
12/23/92	ND	ND	ND	ND	ND	-	-	NP	9.96	0.00	164.32	154.36
05/10/93	ND	ND	ND	ND	ND	-	-	NP	8.95	0.00	164.32	155.37
06/09/93	ND	ND	ND	ND	ND	-	-	NP	9.00	0.00	164.32	155.32
09/14/93	200	0.3	ND	ND	ND	-	-	NP	9.50	0.00	164.32	154.82
12/14/93	ND	ND	ND	ND	ND	-	-	NP	8.75	0.00	164.32	155.57
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	7.52	0.00	164.32	156.80
06/06/94	54	<0.3	<0.3	<0.3	2.4	-	-	NP	9.00	0.00	164.32	155.32
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	9.26	0.00	164.32	155.06
12/07/94	130	2.5	1.9	1.3	3.6	-	-	NP	8.67	0.00	164.32	155.65
03/08/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	8.34	0.00	164.32	155.98
06/15/95	<100	1.0	<0.5	<0.5	<1.0	-	-	NP	9.12	0.00	164.32	155.20
09/05/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	9.56	0.00	164.32	154.76
11/21/95	<50	0.44	<0.3	<0.3	1.5	-	-	NP	9.28	0.00	164.32	155.04
03/11/96	<50	1.3	<0.3	<0.3	0.6	-	-	NP	7.52	0.00	164.32	156.80
06/19/96	640	72	20	34	150	-	-	NP	7.80	0.00	164.32	156.52
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	20	-	NP	9.18	0.00	164.32	155.14



**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	6.08	0.00	164.32	158.24
03/12/97	53	0.45	<0.3	<0.3	<0.5	140	-	NP	8.65	0.00	164.32	155.67
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	68	-	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	8.30	0.00	164.32	156.02
12/09/97	<50	1.7	2.1	<0.3	1.4	82	-	NP	9.98	0.00	164.32	154.34
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	84	-	NP	8.33	0.00	164.32	155.99
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	97	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	97	-	NP	12.95	0.00	164.32	151.37
12/30/98	<50	1.3	1.5	<0.3	0.86	19	-	NP	11.35	0.00	164.32	152.97
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	9.6	-	NP	9.85	0.00	164.32	154.47
06/22/99	66	0.39	<0.3	<0.3	<0.5	62	-	NP	9.90	0.00	164.32	154.42
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	25	-	NP	9.85	0.00	164.32	154.47
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	30	-	NP	8.30	0.00	164.32	156.02
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	13.6	18.2	NP	6.76	0.00	164.32	157.56
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	10	10	NP	8.30	0.00	164.32	156.02
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	6.0	4.9	NP	8.30	0.00	164.32	156.02
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	8.28	0.00	164.32	156.04
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	12.89	0.00	164.32	151.43
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	12.89	0.00	164.32	151.43
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	9.82	0.00	164.32	154.50
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	9.25	0.00	164.32	155.07
03/13/02	-	-	-	-	-	-	-	NP	12.89	0.00	164.32	151.43
12/04/03	-	-	-	-	-	-	-	NP	6.78	0.00	164.03	157.25
03/18/04	-	-	-	-	-	-	-	NP	9.65	0.00	164.03	154.38
06/09/04	-	-	-	-	-	-	-	NP	6.86	0.00	164.03	157.17
09/02/04	-	-	-	-	-	-	-	NP	8.23	0.00	164.03	155.80
12/08/04	-	-	-	-	-	-	-	NP	6.76	0.00	164.03	157.27
03/16/05	-	-	-	-	-	-	-	NP	8.29	0.00	164.03	155.74
06/01/05	-	-	-	-	-	-	-	NP	9.83	0.00	164.03	154.20
09/14/05	-	-	-	-	-	-	-	NP	6.76	0.00	164.03	157.27
12/06/05	-	-	-	-	-	-	-	NP	6.76	0.00	164.03	157.27
03/15/06	-	-	-	-	-	-	-	NP	9.83	0.00	164.03	154.20
06/07/06	233	<0.32	<0.10	<0.24	2.3 J	-	445	NP	9.83	0.00	164.03	154.20
09/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	<0.63	NP	8.54	0.00	164.03	155.49
12/05/06	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	9.81	0.00	164.03	154.22
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	6.76	0.00	164.03	157.27
06/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	7.82	0.00	164.03	156.21
09/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	8.43	0.00	164.03	155.60
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	9.80	0.00	164.03	154.23
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.58	0.00	164.03	157.45
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	9.78	0.00	164.03	154.25
<b>MONITORING WELL #RS-9</b>												
<i>Screen Interval = 5 to 15 feet</i>												
08/07/91	-	0.5	ND	330	1,200	-	-	NP	2.28	0.00	167.51	165.23
09/27/91	13,000	3.5	3.0	82	140	-	-	NP	2.77	0.00	167.51	164.74
10/23/91	11,000	ND	ND	39	340	-	-	NP	3.53	0.00	167.51	163.98

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
11/06/91	6,800	8.4	0.6	22	230	-	-	NP	2.51	0.00	167.51	165.00
12/04/91	6,500	6.5	0.7	87	200	-	-	NP	3.20	0.00	167.51	164.31
01/29/92	8,100	22	10	140	260	-	-	NP	2.65	0.00	167.51	164.86
02/26/92	13,000	40	16	220	600	-	-	NP	3.42	0.00	167.51	164.09
03/19/92	12,000	21	12	100	280	-	-	NP	3.12	0.00	167.51	164.39
04/22/92	8,600	ND	ND	20	37	-	-	NP	3.24	0.00	167.51	164.27
05/21/92	6,000	21	10	53	210	-	-	NP	3.75	0.00	167.51	163.76
06/25/92	370	2.3	1.5	0.7	4.3	-	-	NP	2.65	0.00	167.51	164.86
07/30/92	3,600	20	ND	39	80	-	-	NP	2.70	0.00	167.51	164.81
08/20/92	3,000	0.7	5.2	2.0	5.3	-	-	NP	2.83	0.00	167.51	164.68
09/30/92	9,200	4.8	6.5	12	91	-	-	NP	2.80	0.00	167.51	164.71
12/23/92	2,000	17	ND	8.2	18	-	-	NP	2.45	0.00	167.51	165.06
03/10/93	1,500	ND	2.6	21	12	-	-	NP	2.40	0.00	167.51	165.11
06/09/93	1,300	0.6	1.7	ND	7.5	-	-	NP	3.55	0.00	167.51	163.96
09/14/93	1,500	1.3	7.6	4.1	14	-	-	NP	2.81	0.00	167.51	164.70
12/14/93	560	ND	ND	ND	5.5	-	-	NP	2.63	0.00	167.51	164.88
03/02/94	1,100	<0.3	<0.3	<0.3	<0.5	-	-	NP	2.60	0.00	167.51	164.91
06/06/94	290	0.58	0.53	1.1	5.8	-	-	NP	2.52	0.00	167.51	164.99
09/06/94	890	<0.3	<0.3	<0.3	3.1	-	-	NP	3.16	0.00	167.51	164.35
12/07/94	940	22	23	10	32	-	-	NP	5.18	0.00	167.51	162.33
03/08/95	1,600	<0.5	<0.5	<0.5	2.3	-	-	NP	4.57	0.00	167.51	162.94
06/15/95	3,200	2.2	5.3	4.3	3.1	-	-	NP	5.08	0.00	167.51	162.43
09/05/95	1,100	<0.5	<0.5	<0.5	<1.0	-	-	NP	5.72	0.00	167.51	161.79
11/21/95	1,100	1.1	2.9	3.5	3.0	-	-	NP	2.46	0.00	167.51	165.05
03/11/96	440	0.7	0.34	<0.3	3.7	-	-	NP	3.44	0.00	167.51	164.07
06/19/96	580	3.8	0.49	1.2	<0.5	-	-	NP	3.80	0.00	167.51	163.71
09/16/96	490	<0.3	1.6	<0.3	<0.5	<20	-	NP	3.80	0.00	167.51	163.71
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	2.76	0.00	167.51	164.75
03/12/97	<50	<0.3	0.42	<0.3	1.5	<20	-	NP	3.20	0.00	167.51	164.31
06/12/97	<50	<0.3	<0.3	<0.3	0.51	<20	-	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	4.24	0.00	167.51	163.27
12/09/97	<50	<0.3	0.48	<0.3	<0.5	<20	-	NP	2.72	0.00	167.51	164.79
03/03/98	190	<0.3	<0.3	0.38	<0.5	<20	-	NP	1.90	0.00	167.51	165.61
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	2.72	0.00	167.51	164.79
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	1.20	0.00	167.51	166.31
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	4.25	0.00	167.51	163.26
06/22/99	1,300	4.2	1.2	0.69	0.74	<5.0	-	NP	3.70	0.00	167.51	163.81
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	2.71	0.00	167.51	164.80
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	2.70	0.00	167.51	164.81
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	-	NP	2.70	0.00	167.51	164.81
06/08/00	585	<5.0	<5.0	<5.0	<5.0	-	821	NP	2.72	0.00	167.51	164.79
09/27/00	592	<0.18	<0.14	<0.18	<0.26	1,180	1,360	NP	2.72	0.00	167.51	164.79
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	403	444	NP	2.70	0.00	167.51	164.81
03/22/01	425	<0.18	<0.14	<0.18	<0.26	738	1,640	NP	2.69	0.00	167.51	164.82
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	2.68	0.00	167.51	164.83
08/30/01	164	<0.18	<0.14	<0.18	<0.26	396	284	NP	2.68	0.00	167.51	164.83
12/12/01	1,540	<0.18	<0.14	<0.18	<0.26	4,370	2,480	NP	2.41	0.00	167.51	165.10

**TABLE 1**  
**GROUNDWATER DATA**  
**THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
03/13/02	1,540	<0.18	<0.14	<0.18	<0.26	3,360	-	NP	2.68	0.00	167.51	164.83
06/12/02	2,020	1.0	3.0	1.0	3.0	3,280	-	NP	4.21	0.00	167.51	163.30
09/18/02	915	<0.18	<0.14	<0.18	<0.26	768	-	NP	4.21	0.00	167.51	163.30
12/18/02	1,070	<0.18	<0.14	<0.18	<0.26	960	-	NP	2.68	0.00	167.51	164.83
03/19/03	1,600	<0.04	<0.02	<0.02	<0.06	836	-	NP	4.21	0.00	167.51	163.30
06/11/03	1,960	<0.04	<0.02	<0.02	<0.06	583	-	NP	4.21	0.00	167.51	163.30
09/04/03	117	<0.22	<0.32	<0.31	13	-	8.3	NP	4.21	0.00	167.51	163.30
12/04/03	19,200	5,270	6,550	144	2,540	217	-	NP	1.16	0.00	167.05	165.89
03/18/04	193	7.5	18	1.4 J	6.1	-	127	NP	2.68	0.00	167.05	164.37
06/10/04	159	<0.14	3.3	1.9	2.5	<0.22	-	NP	3.74	0.00	167.05	163.31
09/02/04	<15	<0.14	<0.16	<0.18	<0.45	<0.22	-	NP	3.68	0.00	167.05	163.37
12/09/04	<15	1.2	2.1	<0.18	0.99	<0.22	-	NP	1.20	0.00	167.05	165.85
03/16/05	<15	<0.22	1.1 J	<0.31	<0.4	-	2.1	NP	4.21	0.00	167.05	162.84
06/01/05	<2.9	<0.17	<0.22	<0.14	0.94	2.97 J	1.5	NP	2.71	0.00	167.05	164.34
09/14/05	63	<0.32	<0.10	<0.24	<0.30	-	36	NP	4.21	0.00	167.05	162.84
12/06/05	<2.9	<0.32	<0.10	<0.24	<0.3	-	32	NP	1.14	0.00	167.05	165.91
03/15/06	<5.6	<0.32	<0.10	<0.24	1.6 J	-	17	NP	2.71	0.00	167.05	164.34
06/07/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	8.7	NP	2.66	0.00	167.05	164.39
09/26/06	<5.6	<0.32	1.3 J	<0.24	<0.30	-	<0.63	NP	5.06	0.00	167.05	161.99
12/05/06	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	4.21	0.00	167.05	162.84
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	2.63	0.00	167.05	164.42
06/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.73	0.00	167.05	162.32
09/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.75	0.00	167.05	160.30
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	5.3	NP	4.17	0.00	167.05	162.88
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	2.2	NP	4.72	0.00	167.05	162.33
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.15	0.00	167.05	162.90
<b>MONITORING WELL #RS-10</b>												
<i>Screen Interval = 5 to 25 feet</i>												
08/07/91	ND	ND	ND	ND	ND	-	-	NP	6.16	0.00	162.89	156.73
09/27/91	ND	ND	ND	ND	ND	-	-	NP	6.48	0.00	162.89	156.41
10/23/91	ND	ND	ND	ND	ND	-	-	NP	7.37	0.00	162.89	155.52
11/06/91	ND	ND	ND	ND	ND	-	-	NP	6.44	0.00	162.89	156.45
12/04/91	ND	ND	ND	ND	ND	-	-	NP	7.02	0.00	162.89	155.87
01/29/92	ND	ND	ND	ND	ND	-	-	NP	6.78	0.00	162.89	156.11
02/26/92	ND	ND	ND	ND	ND	-	-	NP	8.33	0.00	162.89	154.56
03/19/92	ND	ND	ND	ND	0.6	-	-	NP	8.02	0.00	162.89	154.87
04/22/92	ND	ND	ND	ND	ND	-	-	NP	7.78	0.00	162.89	155.11
05/21/92	ND	ND	0.6	ND	1.2	-	-	NP	6.21	0.00	162.89	156.68
06/25/92	ND	ND	ND	ND	ND	-	-	NP	7.73	0.00	162.89	155.16
07/30/92	ND	ND	0.5	ND	1.0	-	-	NP	7.84	0.00	162.89	155.05
08/20/92	ND	ND	ND	ND	ND	-	-	NP	7.50	0.00	162.89	155.39
09/30/92	ND	ND	ND	ND	ND	-	-	NP	7.63	0.00	162.89	155.26
12/23/92	ND	ND	ND	ND	ND	-	-	NP	7.24	0.00	162.89	155.65
03/10/93	ND	ND	ND	ND	ND	-	-	NP	6.38	0.00	162.89	156.51
06/09/93	ND	ND	ND	ND	ND	-	-	NP	7.98	0.00	162.89	154.91
09/14/93	ND	ND	ND	ND	ND	-	-	NP	7.35	0.00	162.89	155.54
03/02/94	<50	<0.3	<0.3	<0.3	<0.3	-	-	NP	7.00	0.00	162.89	155.89

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
06/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	6.55	0.00	162.89	156.34
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	7.63	0.00	162.89	155.26
12/07/94	56	<0.3	<0.3	<0.5	2.1	-	-	NP	5.92	0.00	162.89	156.97
03/08/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	7.84	0.00	162.89	155.05
06/15/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	6.97	0.00	162.89	155.92
09/05/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	NP	8.14	0.00	162.89	154.75
11/21/95	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	7.68	0.00	162.89	155.21
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	6.76	0.00	162.89	156.13
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	-	NP	7.20	0.00	162.89	155.69
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	6.30	0.00	162.89	156.59
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	6.05	0.00	162.89	156.84
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	7.56	0.00	162.89	155.33
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	7.55	0.00	162.89	155.34
12/09/97	1,900	610	510	<6	290	<20	-	NP	7.55	0.00	162.89	155.34
03/03/98	<50	2.0	<0.3	<0.3	<0.5	27	-	NP	6.03	0.00	162.89	156.86
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	72	-	NP	7.55	0.00	162.89	155.34
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5.0	-	NP	4.45	0.00	162.89	158.44
03/15/99	<50	<0.3	<0.3	<0.3	1.3	<5.0	-	NP	4.50	0.00	162.89	158.39
06/22/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	9.15	0.00	162.89	153.74
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	7.51	0.00	162.89	155.38
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	5.97	0.00	162.89	156.92
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	-	NP	4.47	0.00	162.89	158.42
06/08/00	<50	<5.0	<5.0	<5.0	<5.0	<5.0	-	NP	5.97	0.00	162.89	156.92
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.50	0.00	162.89	155.39
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	5.94	0.00	162.89	156.95
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.51	0.00	162.89	155.38
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.50	0.00	162.89	155.39
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	9.05	0.00	162.89	153.84
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.65	0.00	162.89	155.24
03/13/02	-	-	-	-	-	-	-	NP	9.05	0.00	162.89	153.84
12/04/03	-	-	-	-	-	-	-	NP	5.98	0.00	162.43	156.45
03/18/04	-	-	-	-	-	-	-	NP	8.85	0.00	162.43	153.58
06/09/04	-	-	-	-	-	-	-	NP	6.27	0.00	162.43	156.16
09/02/04	-	-	-	-	-	-	-	NP	6.17	0.00	162.43	156.26
12/08/04	-	-	-	-	-	-	-	NP	6.00	0.00	162.43	156.43
03/16/05	-	-	-	-	-	-	-	NP	9.05	0.00	162.43	153.38
06/01/05	-	-	-	-	-	-	-	NP	7.49	0.00	162.43	154.94
09/14/05	-	-	-	-	-	-	-	NP	7.49	0.00	162.43	154.94
12/06/05	-	-	-	-	-	-	-	NP	5.96	0.00	162.43	156.47
03/15/06	-	-	-	-	-	-	-	NP	7.52	0.00	162.43	154.91
06/07/06	-	-	-	-	-	-	-	NP	9.06	0.00	162.43	153.37
09/26/06	-	-	-	-	-	-	-	NP	5.96	0.00	162.43	156.47
12/05/06	-	-	-	-	-	-	-	NP	5.95	0.00	162.43	156.48
03/14/07	-	-	-	-	-	-	-	NP	4.42	0.00	162.43	158.01
06/12/07	-	-	-	-	-	-	-	NP	5.98	0.00	162.43	156.45
09/12/07	-	-	-	-	-	-	-	NP	6.32	0.00	162.43	156.11

**TABLE 1  
GROUNDWATER DATA  
THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
12/18/07	-	-	-	-	-	-	-	NP	5.93	0.00	162.43	156.50
03/11/08	-	-	-	-	-	-	-	NP	3.53	0.00	162.43	158.90
06/18/08	-	-	-	-	-	-	-	NP	5.90	0.00	162.43	156.53
<b>MONITORING WELL #RS-11</b>												
<i>Screen Interval = 5 to 25 feet</i>												
09/21/95	110	<0.5	<0.5	<0.5	<1.0	-	-	NP	9.37	0.00	163.28	153.91
03/12/97	74	9.5	<0.3	<0.3	0.57	<20	-	NP	7.75	0.00	163.28	155.53
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	NP	9.50	0.00	163.28	153.78
12/09/97	<50	0.79	1.2	<0.3	<0.5	<20	-	NP	9.50	0.00	163.28	153.78
03/03/98	140	22	0.63	<0.3	<0.5	<20	-	NP	7.93	0.00	163.28	155.35
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	9.48	0.00	163.28	153.80
12/30/98	<50	1.3	0.87	<0.3	0.55	<5.0	-	NP	7.95	0.00	163.28	155.33
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	-	NP	6.40	0.00	163.28	156.88
06/22/99	350	89	2.9	3.3	0.91	6.8	-	NP	11.00	0.00	163.28	152.28
09/08/99	99	9.1	0.37	<0.3	<0.5	<5.0	-	NP	7.90	0.00	163.28	155.38
12/01/99	82	9.7	0.44	<0.3	<0.5	<5.0	-	NP	7.90	0.00	163.28	155.38
03/23/00	73	5.8	2.3	<0.25	<0.5	11.2	7.9	NP	4.85	0.00	163.28	158.43
06/08/00	306	<5.0	<5.0	<5.0	<5.0	-	<5.0	NP	7.90	0.00	163.28	155.38
09/27/00	<50	1.0	<0.14	<0.18	<0.26	3.0 J	3.6	NP	9.44	0.00	163.28	153.84
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	6.34	0.00	163.28	156.94
03/22/01	408	<0.18	<0.14	<0.18	<0.26	664	941	NP	7.96	0.00	163.28	155.32
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.87	0.00	163.28	155.41
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	9.41	0.00	163.28	153.87
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.86	0.00	163.28	155.42
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	7.85	0.00	163.28	155.43
06/12/02	<50	<0.18	1.0	<0.18	<0.26	<0.24	-	NP	9.39	0.00	163.28	153.89
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	-	NP	9.38	0.00	163.28	153.90
12/18/02	110	<0.18	<0.14	<0.18	<0.26	101	-	NP	6.32	0.00	163.28	156.96
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	9.39	0.00	163.28	153.89
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	20	-	NP	9.39	0.00	163.28	153.89
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	7.85	0.00	163.28	155.43
12/04/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	-	NP	6.32	0.00	162.71	156.39
03/18/04	<15	<0.22	<0.32	<0.31	<0.4	-	<0.18	NP	9.39	0.00	162.71	153.32
06/10/04	1,080	48	3.8	30	1.8	68	-	NP	6.87	0.00	162.71	155.84
09/02/04	1,600	94	5.9	4.3	3.8	185	78	NP	7.07	0.00	162.71	155.64
12/09/04	<15	1.2	1.3	<0.18	<0.45	22	<0.18	NP	6.34	0.00	162.71	156.37
03/16/05	<15	<0.22	<0.32	<0.31	<0.4	-	16	NP	7.85	0.00	162.71	154.86
06/01/05	<2.9	0.97	1.4	<0.14	2.0	22	16.3	NP	7.88	0.00	162.71	154.83
09/14/05	133	<0.32	<0.10	<0.24	<0.30	-	79	NP	7.84	0.00	162.71	154.87
12/06/05	905	16.00	3.1 J	11.0	23	-	578	NP	6.32	0.00	162.71	156.39
03/15/06	426	<0.32	<0.10	<0.24	<0.30	-	336	NP	7.89	0.00	162.71	154.82
06/07/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	<0.63	NP	7.83	0.00	162.71	154.88
09/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	-	<0.63	NP	6.32	0.00	162.71	156.39
12/05/06	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	6.30	0.00	162.71	156.41
03/14/07	<5.6	<0.32	<0.10	<0.24	<0.3	-	<0.63	NP	4.77	0.00	162.71	157.94

**TABLE 1**  
**GROUNDWATER DATA**  
**THRIFTY OIL STATION #054, CASTRO VALLEY, 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 - 8021 (ug/L)	MTBE - 8260 (ug/L)					
06/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.36	0.00	162.71	158.35
09/12/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.97	0.00	162.71	157.74
12/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.27	0.00	162.71	156.44
03/11/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	4.29	0.00	162.71	158.42
06/18/08	<6.6	<0.18	<0.24	<0.21	<0.45	-	<0.19	NP	6.25	0.00	162.71	156.46

**NOTE:**

ND = Nondetectable

" - " = Not Analyzed / Not Available

NP = No Free Product

\*MTBE 8020/8260

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

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

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

On 3/16/05, 3/18/04, 9/4/03 & 6/8/00, BTEX and MTBE analyzed by EPA Method 8260B

**TABLE 2**  
**Vapor Extraction Operating Data**  
**Thrifty Oil Station # 054, CASTRO VALLEY, CA**

Month	Representative Date	Hour Meter Reading (hrs)	Operation Duration (hrs)	Inlet		Hydrocarbons Removed		Remark
				Average Flow (cfm)	Average FID Conc. (ppmV)	Period (lbs)	Cumulative (lbs)	
Jan-91	1/9/1991	929	0	30	est. 10,000	0.0	0	
Feb-91	2/6/1991	979	50	30	est. 10,000	38.0	38	
Mar-91	3/6/1991	1,028	49	5	est. 10,000	6.2	44	System off 4/91 - 9/91
Oct-91	10/23/1991	1,786	758	15	est. 10,000	288.0	332	
Nov-91	11/6/1991	1,789	3	14	est. 10,000	1.1	333	
Dec-91	12/4/1991	1,896	107	14	est. 10,000	37.9	371	
Jan-92	1/29/1992	2,025	129	14	est. 10,000	45.7	417	
Feb-92	2/26/1999	2,293	268	14	est. 10,000	95.0	512	System off 3/92 - 7/92
Aug-93	8/11/1993	2,293	0	18	est. 10,000	0.0	512	
Sep-93	9/8/1993	2,446	153	17	est. 10,000	65.9	578	
Oct-93	10/7/1993	2,960	514	18	est. 10,000	234.4	812	
Nov-93	11/3/1993	3,381	421	18	est. 10,000	191.9	1,004	
Dec-93	12/1/1993	3,705	324	18	est. 10,000	147.7	1,152	
Jan-94	1/3/1994	4,313	608	18	est. 10,000	277.2	1,429	
Feb-94	2/7/1994	4,849	536	17	10,000	230.8	1,660	
Mar-94	3/7/1994	5,196	347	20	10,000	175.8	1,836	
Apr-94	4/4/1994	5,597	401	16	10,000	162.5	1,998	
May-94	5/2/1994	6,003	406	17	est. 10,000	174.8	2,173	
Jun-94	6/6/1994	6,514	511	16	10,000	207.1	2,380	
Jul-94	7/18/1994	6,679	165	15	10,000	62.7	2,443	
Aug-94	8/1/1994	6,735	56	16	est. 10,000	22.7	2,466	
Sep-94	9/20/1994	7,340	605	16	est. 10,000	245.2	2,711	
Oct-94	10/5/1994	7,554	214	15	est. 10,000	81.3	2,792	
Dec-94	12/13/1994	7,656	102	15	est. 10,000	38.8	2,831	
Jan-95	1/6/1995	7,742	86	12	est. 10,000	26.1	2,857	
Feb-95	2/14/1995	7,906	164	13	est. 10,000	54.0	2,911	
Mar-95	3/2/1995	7,976	70	15	est. 10,000	26.6	2,938	
Apr-95	4/7/1995	8,009	33	8	est. 10,000	6.7	2,944	
May-95	5/5/1995	8,405	396	16	est. 10,000	160.5	3,105	
Jun-95	6/1/1995	8,436	31	16	est. 10,000	12.6	3,117	
Jul-95	7/7/1993	8,834	398	16	est. 10,000	161.3	3,279	
Aug-95	8/3/1995	8,910	76	16	10,000	30.8	3,309	
Sep-95	9/5/1995	9,068	158	16	est. 10,000	64.0	3,373	
Oct-95	10/24/1995	9,163	95	14	10,000	33.7	3,407	
Nov-95	11/2/1995	9,194	31	16	est. 10,000	12.6	3,420	
Jan-96	1/4/1996	8,930	0	9	est. 10,000	0.0	3,420	Replaced hour meter (8930)
Feb-96	2/1/1996	8,991	61	8	est. 10,000	12.4	3,432	System off 2/96 - 4/96
Apr-96	4/25/1996	9,084	93	8	210	0.4	3,432	
May-96	5/2/1996	9,124	40	12	220	0.3	3,433	
Jun-96	6/3/1996	9,279	155	9	1,000	3.5	3,436	
Jul-96	7/2/1996	9,370	91	17	420	1.6	3,438	
Aug-96	8/1/1996	9,391	21	9	340	0.2	3,438	
Sep-96	9/5/1996	9,721	330	17	est. 340	4.8	3,443	
Oct-96	10/24/1996	9,773	52	7	est. 340	0.3	3,443	
Dec-96	12/26/1996	9,776	3	8	est. 340	0.0	3,443	System off 10/96 - 12/96
Apr-97	4/3/1997	9,781	5	15	10,000	1.9	3,445	System off 1/97 - 4/97
May-97	5/1/1997	10,032	251	15	9,800	93.5	3,539	
Jun-97	6/12/1997	10,663	631	11	est. 9,000	158.2	3,697	
Jul-97	7/3/1997	10,712	49	12	est. 9,000	13.4	3,710	
Aug-97	8/7/1997	10,950	238	12	est. 9,000	65.1	3,775	
Sep-97	9/3/1997	11,136	186	16	est. 9,000	67.8	3,843	
Oct-97	10/9/1997	11,320	184	12	est. 9,000	50.3	3,893	
Nov-97	11/6/1997	11,452	132	17	est. 9,000	51.2	3,945	
Dec-97	12/4/1997	11,510	58	19	9,000	25.1	3,970	
Jan-98	1/8/1998	11,784	274	17	10,000	118.0	4,088	
Feb-98	2/3/1998	12,180	396	16	10,000	160.5	4,248	
Mar-98	3/10/1998	13,011	831	17	10,000	357.8	4,606	
Apr-98	4/15/1998	13,060	49	17	est. 10,000	21.1	4,627	
May-98	5/7/1998	13,311	251	16	10,000	101.7	4,729	
Jun-98	6/2/1998	13,658	347	17	10,000	149.4	4,878	

**TABLE 2**  
**Vapor Extraction Operating Data**  
**Thrifty Oil Station # 054, CASTRO VALLEY, CA**

Month	Representative Date	Hour Meter Reading (hrs)	Operation Duration (hrs)	Inlet		Hydrocarbons Removed		Remark
				Average Flow (cfm)	Average FID Conc. (ppmV)	Period (lbs)	Cumulative (lbs)	
Jul-98	7/6/1998	14,340	682	16	est. 10,000	276.4	5,155	
Sep-98	9/21/1998	14,542	202	12	est. 10,000	61.4	5,216	System shut down, 10/98
Nov-98	11/16/1998	14,730	188	12	est. 10,000	57.1	5,273	
Dec-98	12/7/1998	15,124	394	11	est. 10,000	109.8	5,383	
Feb-99	2/9/1999	16,115	991	10	2,800	70.3	5,453	
Mar-99	3/12/1999	16,698	583	13	210	4.0	5,457	
Apr-99	4/6/1999	17,009	311	13	est. 210	2.2	5,459	
May-99	5/3/1999	17,098	89	10	est. 210	0.5	5,460	
Jun-99	6/28/1999	18,130	1,032	10	4,100	107.2	5,567	
Jul-99	7/7/1999	18,163	33	10	est. 4,000	3.3	5,570	
Aug-99	8/2/1999	18,196	33	11	est. 4,000	3.7	5,574	
Sep-99	9/13/1999	18,318	122	12	est. 4,000	14.8	5,589	
Oct-99	10/18/1999	18,348	30	13	est. 4,000	4.0	5,593	
Nov-99	11/29/1999	18,617	269	12	est. 4,000	32.7	5,626	
Dec-99	12/27/1999	19,096	479	12	210	3.1	5,629	
Jan-00	1/24/2000	19,388	292	12	est. 210	1.9	5,631	System shut down, 1/24/00

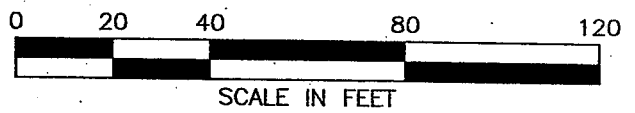
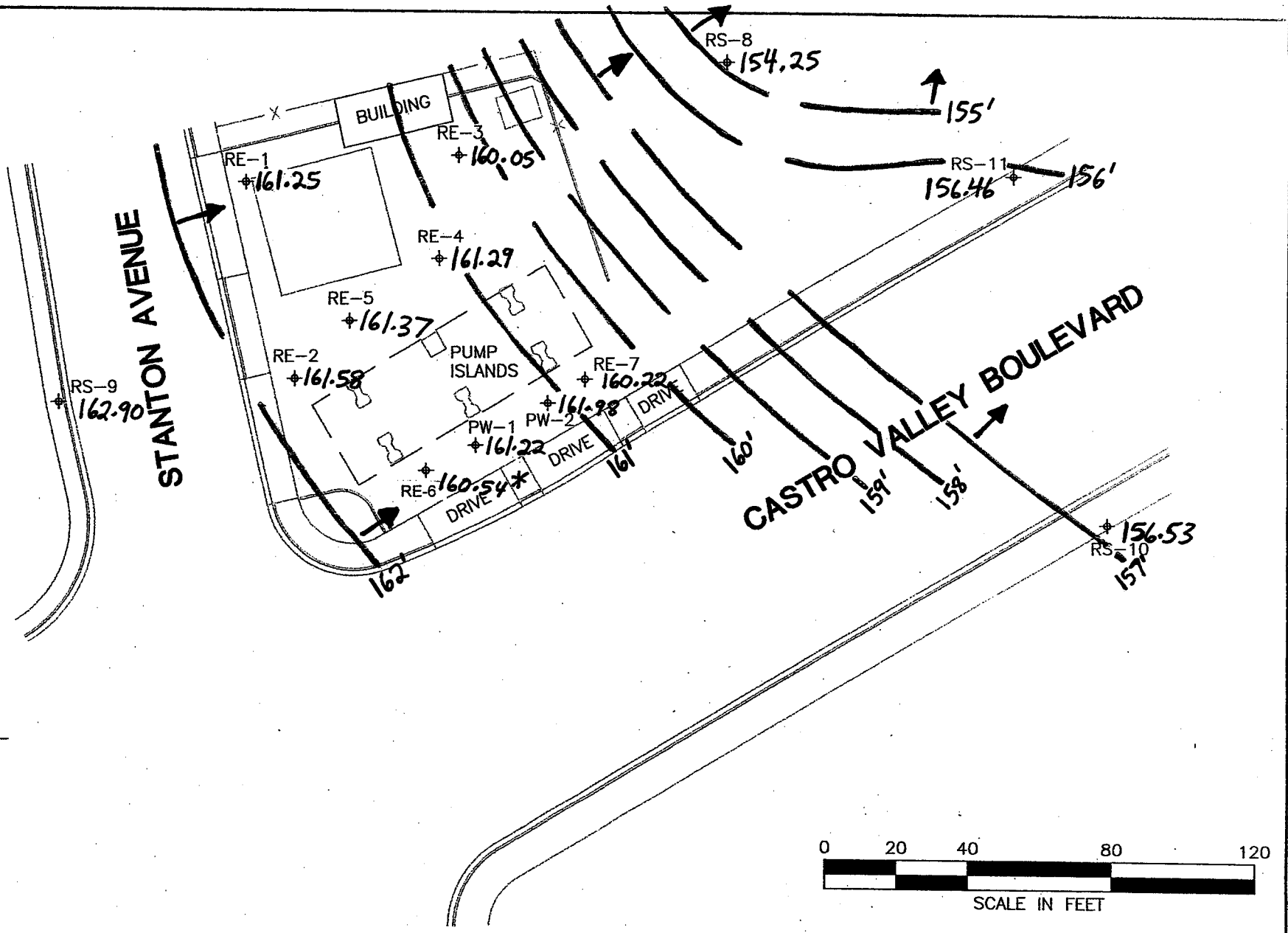
- Note: 1. The "duration" is derived from subtracting the hour meter from a representative day of the month by the hour meter from a representative day of the previous month. Some months may have more than 30 days.
2. In January 2000, the "hydrocarbons removed" calculations were corrected to reflect the actual calibration gas (methane) of the instrument used. Therefore, the corrected cumulative total value is different than the previous versions of this table.



## ***FIGURES***

6/18/08

SCALE: 1" = 40'



(161.22) = Elevation of Water Table (Feet AMSL)  
 (\*) = Anomalous Data; Not Contoured  
 Thrifty Oil Co.

13116 Imperial Highway  
 Santa Fe Springs, CA 90670



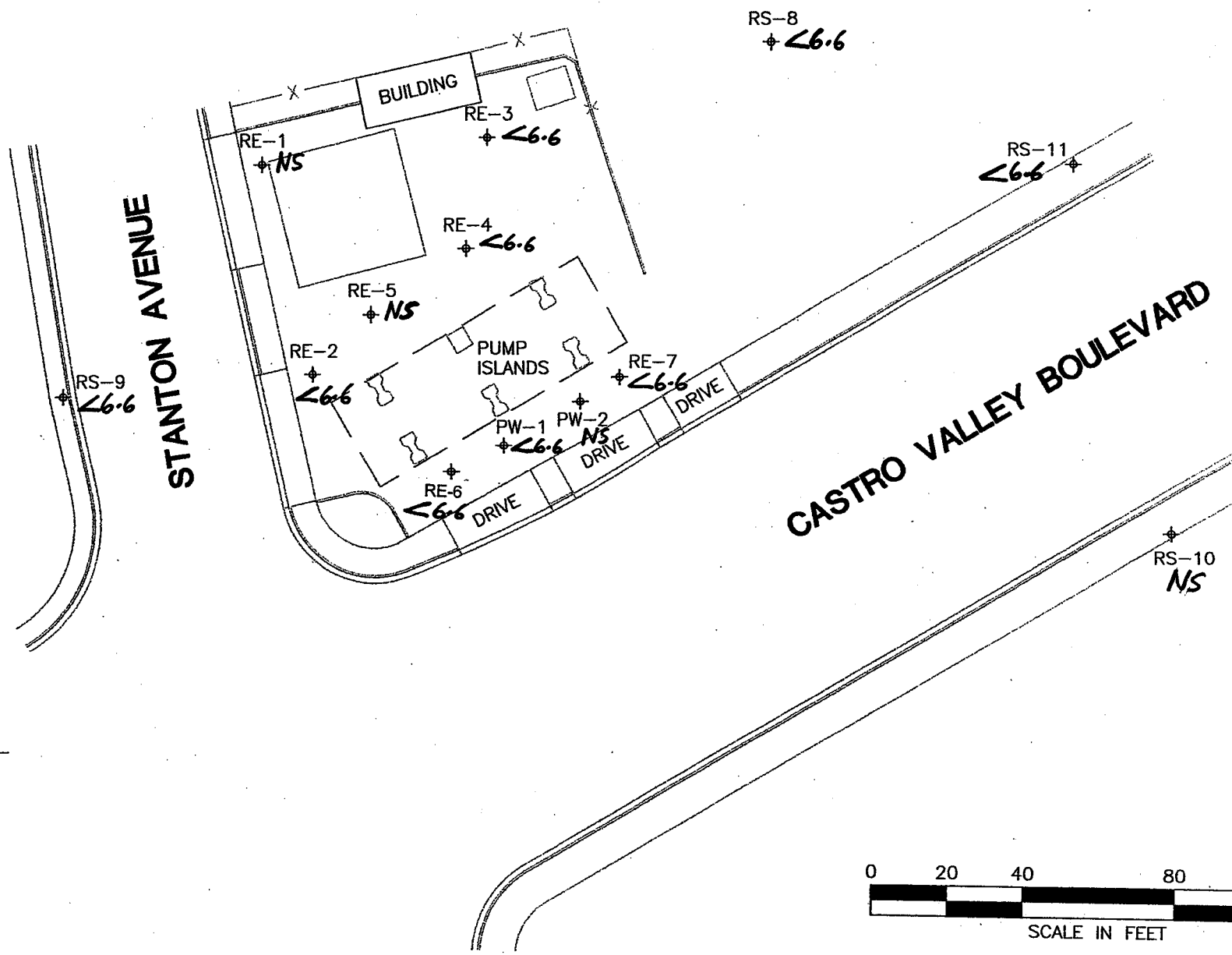
### GROUNDWATER CONTOURS

**THRIFTY STATION #054**  
 2504 Castro Valley Boulevard  
 Castro Valley, CA

Figure  
 1

6/18/08

SCALE: 1" = 40'



Concentrations in ug/L  
 NS=Not Sampled; Gauged only  
 Thrifty Oil Co.  
 13116 Imperial Highway  
 Santa Fe Springs, CA 90670

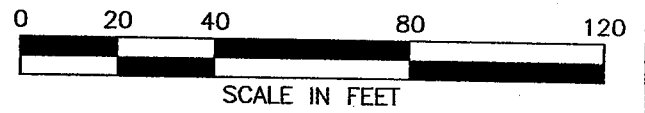
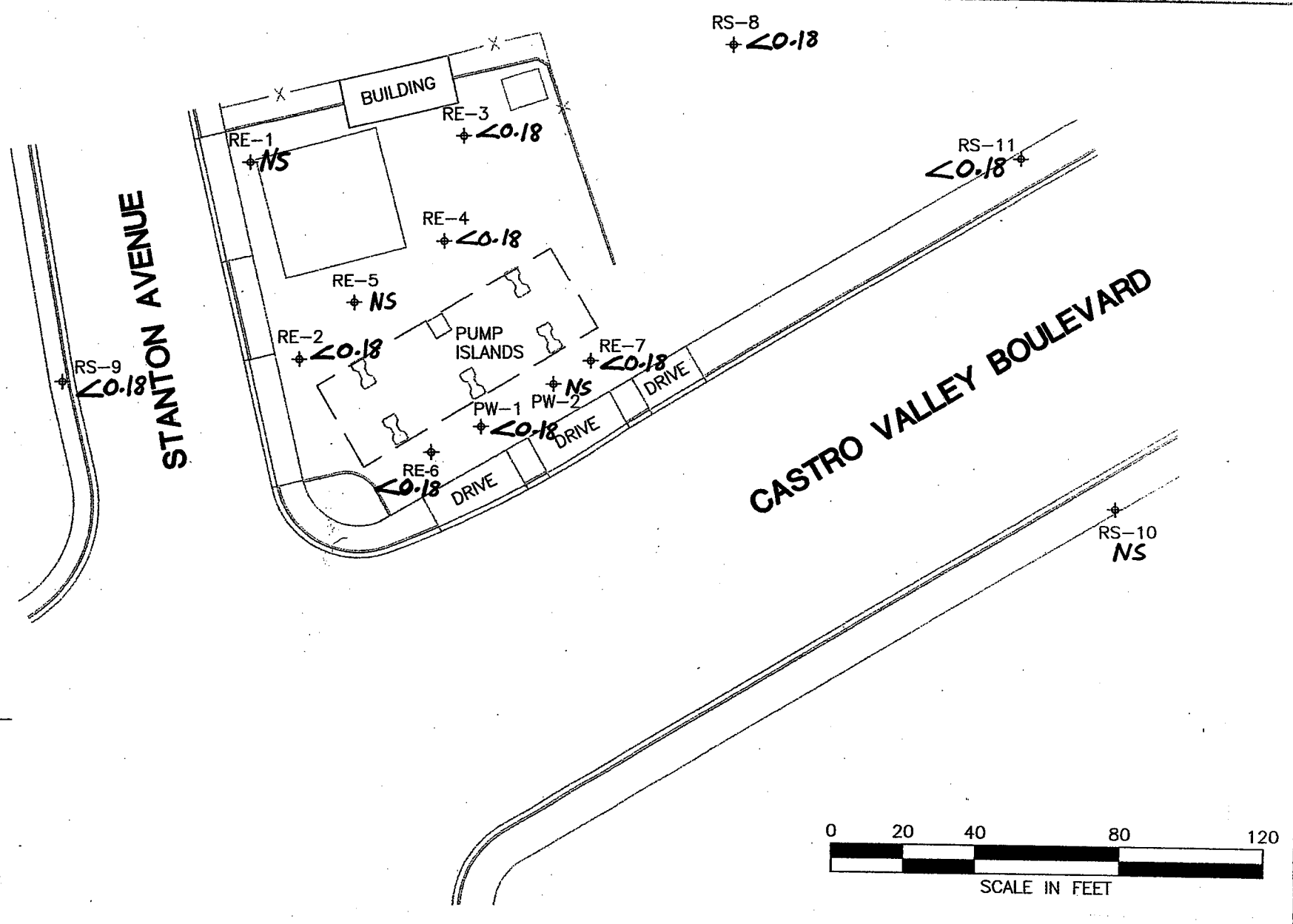
### TPHg IN GROUNDWATER

THRIFTY STATION #054  
 2504 Castro Valley Boulevard  
 Castro Valley, CA

Figure  
 2

6/18/08

SCALE: 1" = 40'



Concentrations in ug/L  
 NS = Not sampled; gauged only  
 Thrifty Oil Co.  
 13116 Imperial Highway  
 Santa Fe Springs, CA 90670

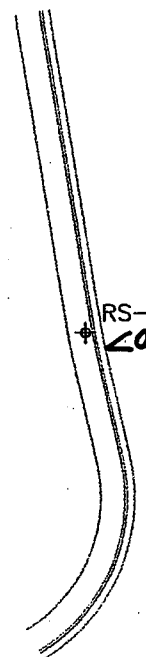
### BENZENE IN GROUNDWATER

THRIFTY STATION #054  
 2504 Castro Valley Boulevard  
 Castro Valley, CA

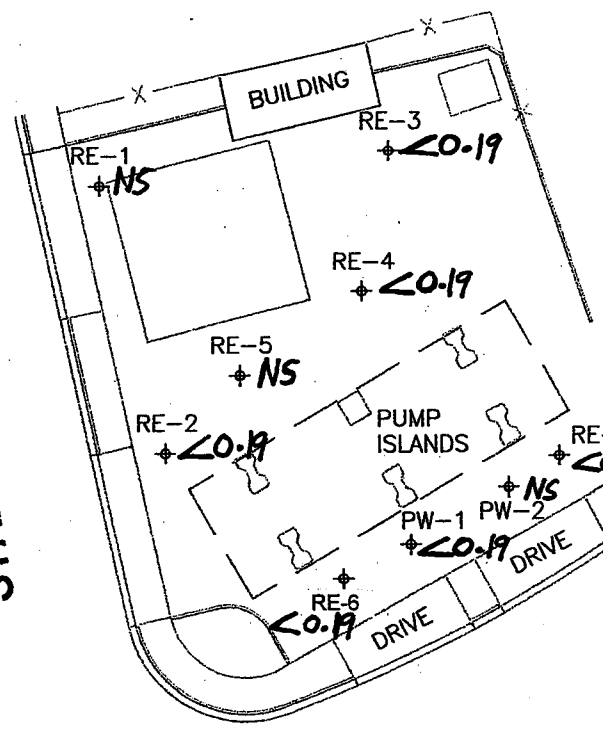
Figure  
 3

6/18/08

SCALE: 1" = 40'



STANTON AVENUE

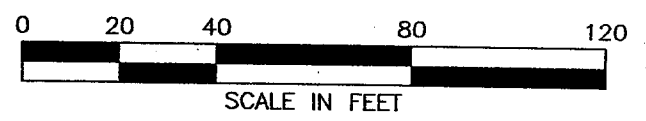


RS-8  
 $\angle 0.19$

RS-11  
 $\angle 0.19$

CASTRO VALLEY BOULEVARD

RS-10  
NS



Concentrations in ug/L  
NS = Not Sampled; gauged only  
Thrifty Oil Co.  
13116 Imperial Highway  
Santa Fe Springs, CA 90670

### MTBE IN GROUNDWATER

THRIFTY STATION #054  
2504 Castro Valley Boulevard  
Castro Valley, CA

Figure  
4

Figure 5  
**Groundwater Data - Monitoring Well RE-2**  
**Thrifty Oil Co. SS#054 - Castro Valley, CA**

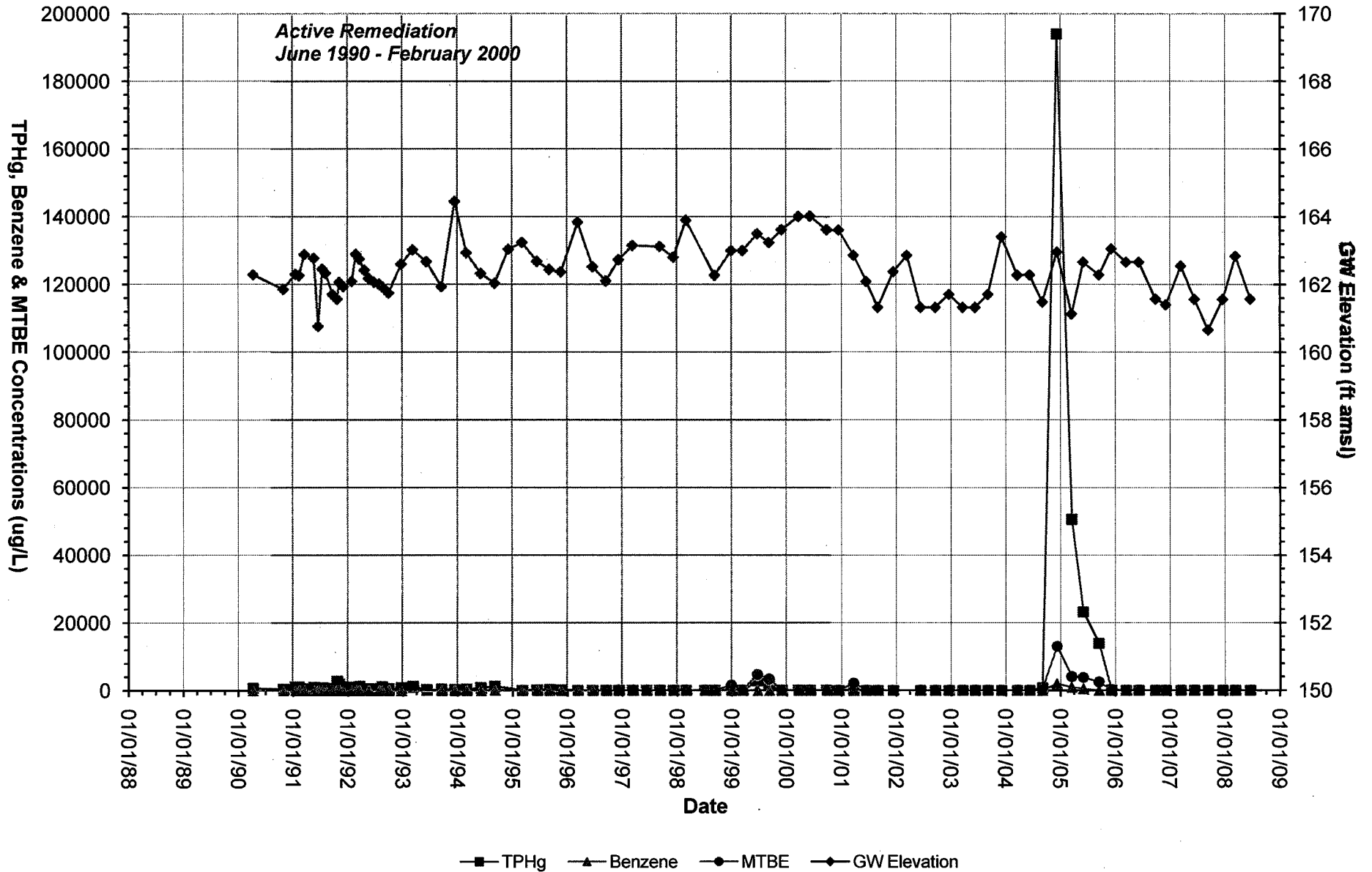


Figure 6  
**Groundwater Data - Monitoring Well RE-3**  
**Thrifty Oil Co. SS#054 - Castro Valley, CA**

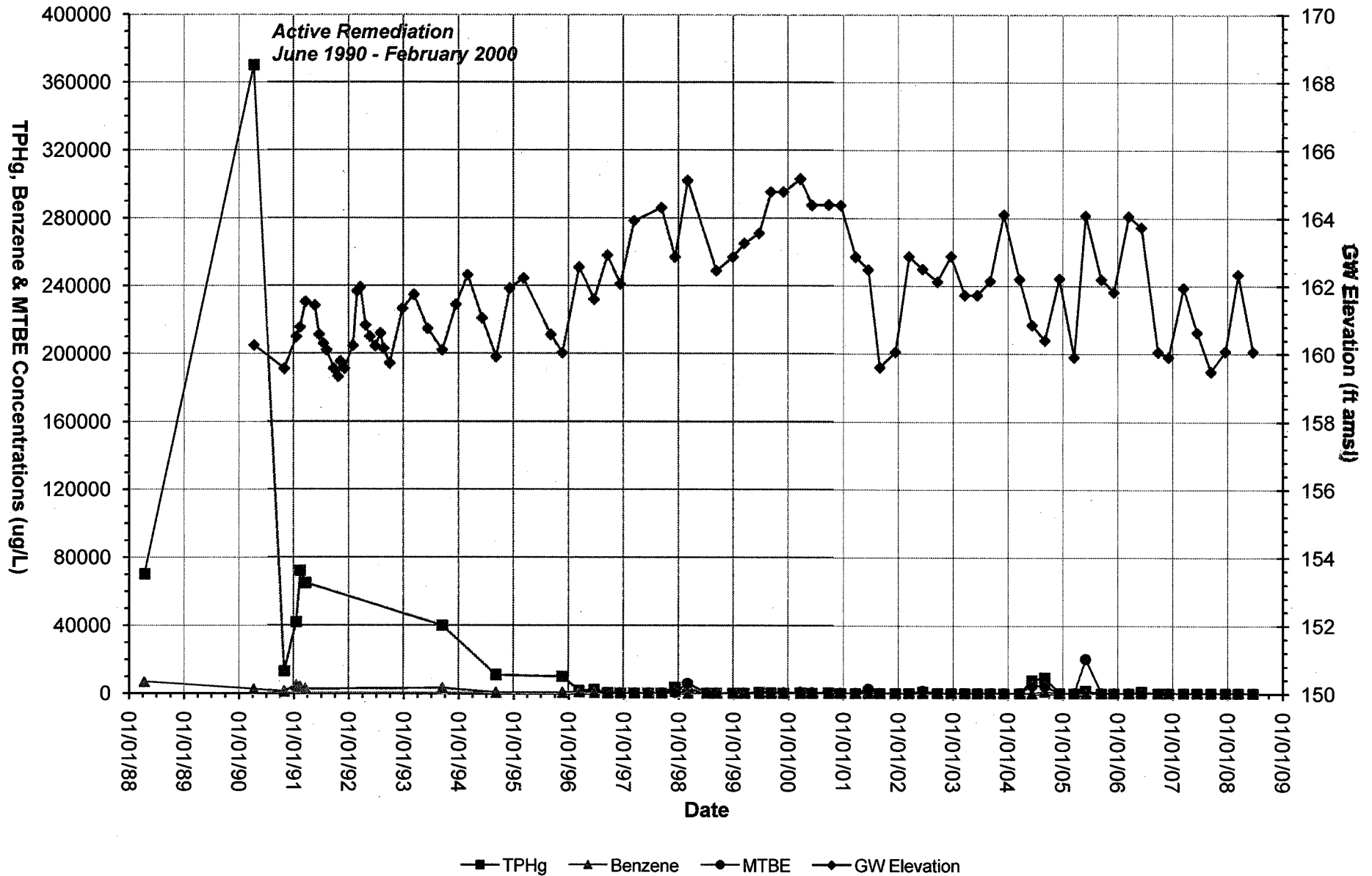


Figure 7  
 Groundwater Data - Monitoring Well RE-4  
 Thrifty Oil Co. SS#054 - Castro Valley, CA

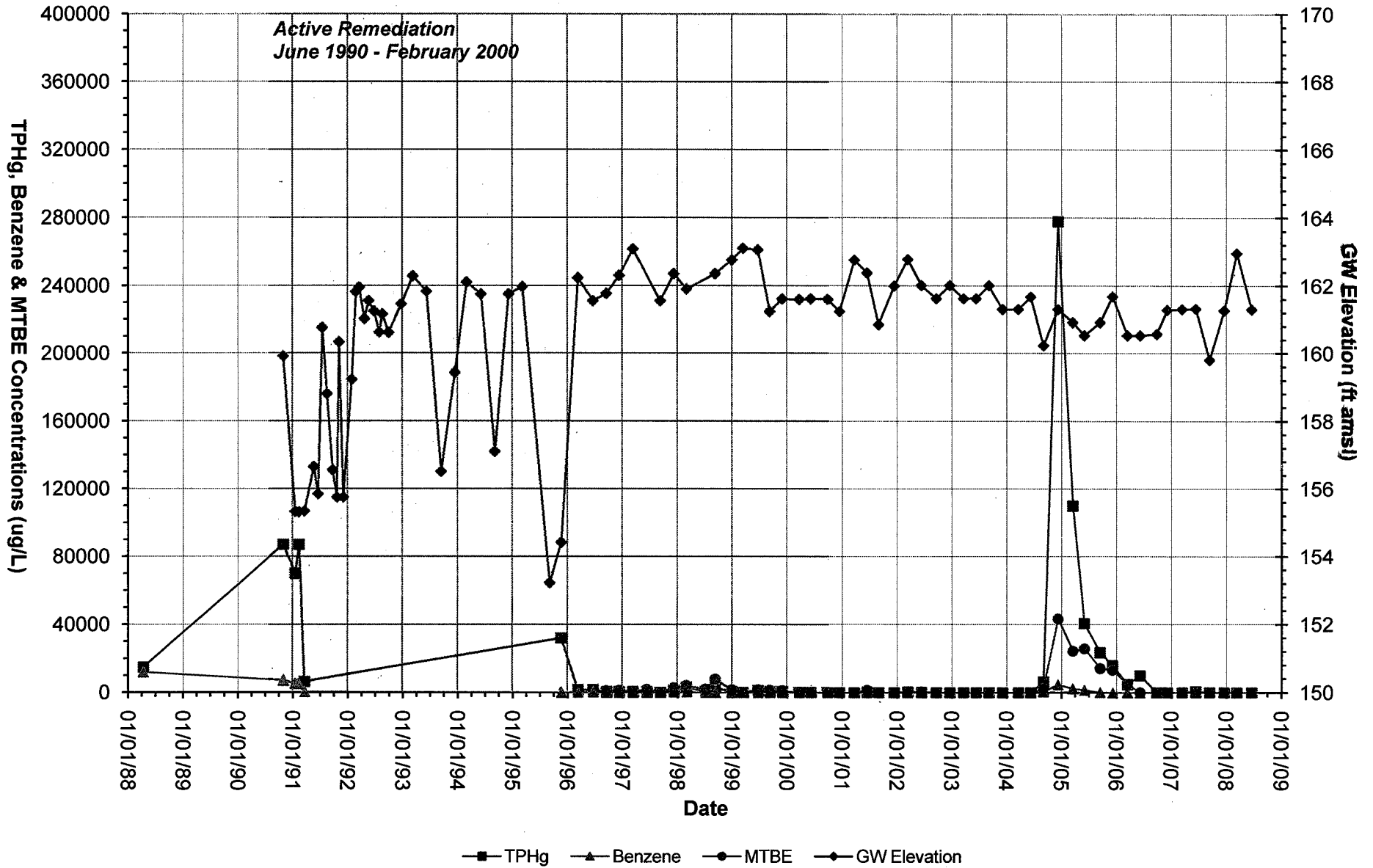




Figure 8  
Groundwater Data - Monitoring Well RE-6  
Thrifty Oil Co. SS#054 - Castro Valley, CA

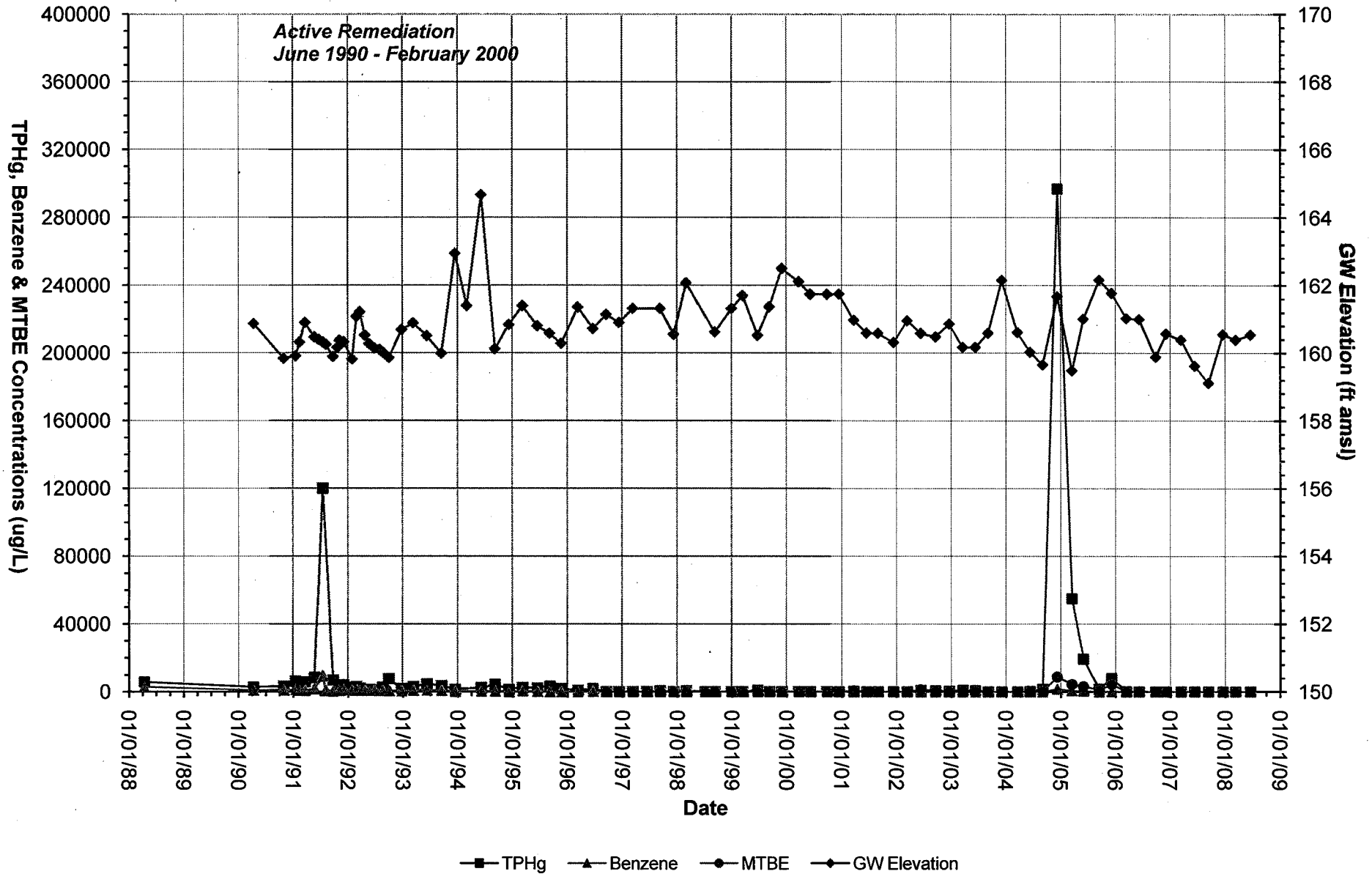


Figure 9  
**Groundwater Data - Monitoring Well RE-7**  
**Thrifty Oil Co. SS#054 - Castro Valley, CA**

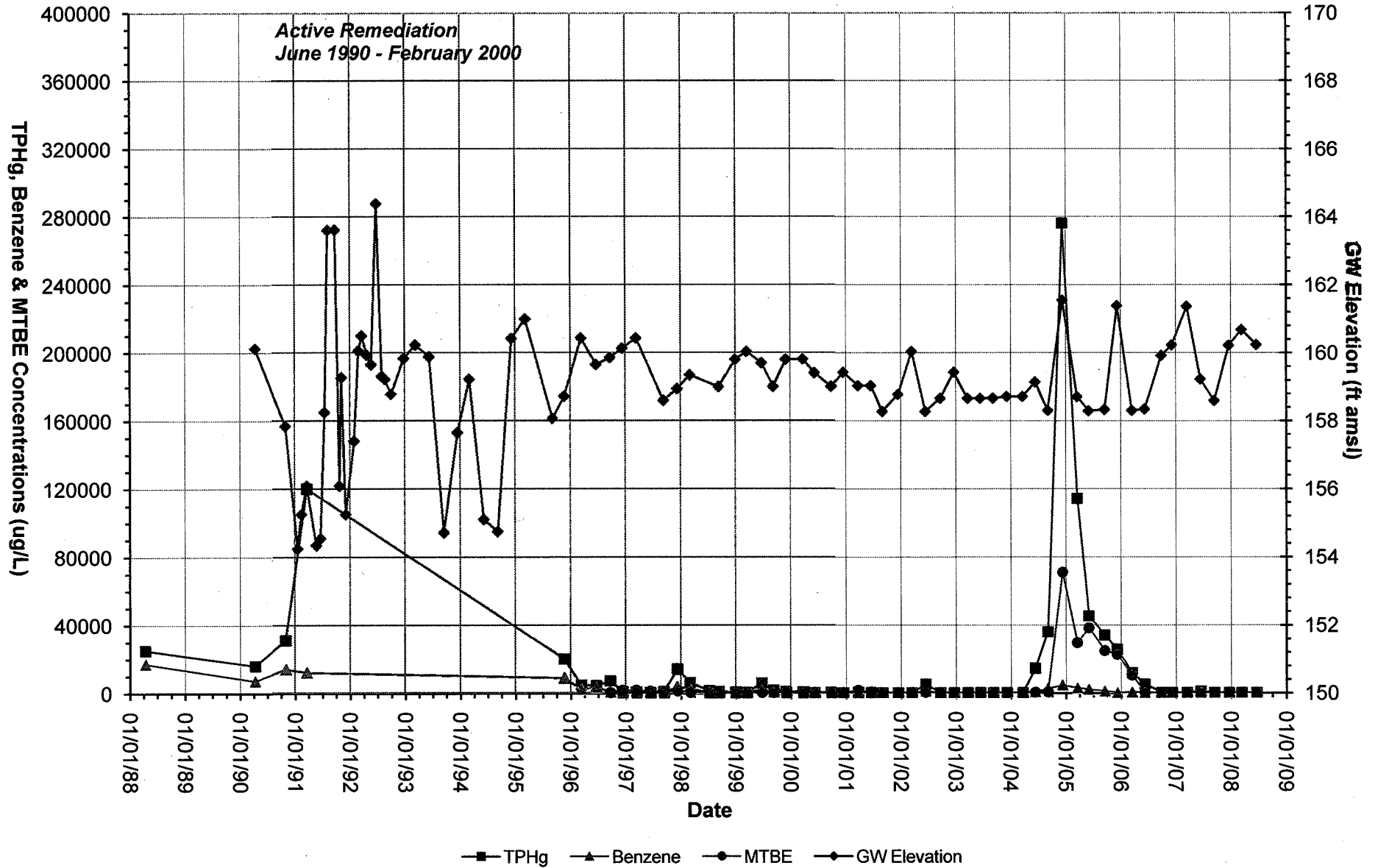
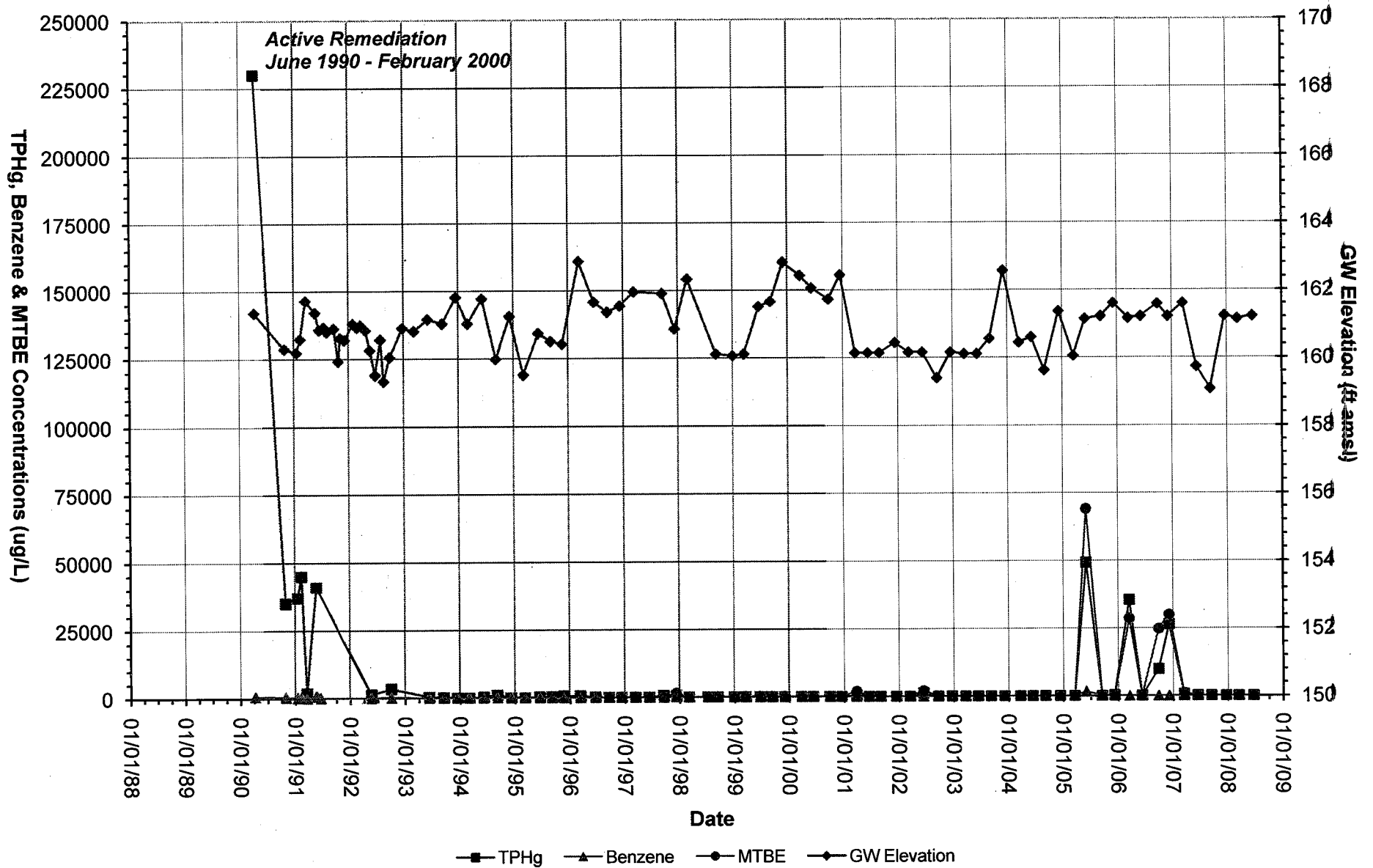


Figure 10  
**Groundwater Data - Monitoring Well PW-1**  
**Thrifty Oil Co. SS#054 - Castro Valley, CA**



# ***APPENDIX A***



# PROJECT STATUS REPORT

SITE: THRIFTY OIL CO. #054  
 ADDRESS: 2504 CASTRO VALLEY BLVD.  
CASTRO VALLEY, CA.94546

DATE: 06-18-2008

PERSONNEL: SERBANI P-

WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL)		COMMENT
							EST.	ACT.	
<b>QUARTERLY</b>									
PW-1		4.73	13.93		9.20	4"	18	20	
RE-2		8.03	16.98		11.95	4"	23	25	
RE-3		6.64	17.50		10.86	4"	21	21	
RE-4		4.94	14.49		9.55	4"	18	18	
RE-6		5.61	13.59		7.98	4"	16	16	
RE-7		5.11	13.15		8.04	4"	16	16	
RS-8		9.78	25.18		15.40	2"	7	8	OFFSITE
RS-9		4.15	14.43		10.78	2"	5	6	OFFSITE
RS-11		6.25	24.70		18.45	2"	9	9	OFFSITE
<b>GAUGING ONLY</b>									
PW-2		3.63	14.80			4"		0	
RE-1		5.21	19.80			4"		0	
RE-5		5.19	17.77			4"		0	
RS-10		5.90	24.30			2"		0	OFFSITE
<b>FREE PRODUCT REMOVED:</b>					<b>PURGE-WATER REMOVED:</b>				
APPROX. GALLONS					APPROX. 134 GALLONS				
<b>REMARKS:</b> MONITORING WELLS, TAKE WATER SAMPLES FROM 9 WELLS. (2 DRUMS)									

**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



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**  
 Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **PW-1**  
 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: <b>8:00</b>	Well casing dia. (in) <b>4</b>	<b>Multippliers for purge volume estimation:</b> <small>Note for borehole volume, add 1/2 BH vol for each subsequent passes</small> <table border="1"> <tr> <th>Well Dia</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.48</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table>	Well Dia	1"	2"	4"	6"	12"	3 Casing Vol	0.12	0.49	1.96	4.48	17.62	Borehole Vol	0.40	0.77	1.51	2.57	7.71
Well Dia	1"		2"	4"	6"	12"														
3 Casing Vol	0.12		0.49	1.96	4.48	17.62														
Borehole Vol	0.40		0.77	1.51	2.57	7.71														
Total Well Depth (ft): <b>13.93</b>	Depth To Product (ft):																			
Depth To Water (ft): <b>4.73</b>	Product Thickness (ft):																			
Water Column (ft): <b>9.20</b>	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)	<b>Estimated Purge Volume (gal) :</b> <b>9.20 x 1.96 = 18</b> <small>water column multiplier</small>																		

## PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:35	5	5	71.6	6.04	1320	CLEAR	
9:40	5	5	71.4	5.93	1340	CLEAR	
9:45	5	5	71.4	5.90	1330	CLEAR	
9:50	5	5	71.5	5.87	1330	CLEAR	
DTW immed. after purge (ft): <b>4.68</b>		Actual purged volume (gal): <b>20</b>		Avg Purge Rate (gpm):			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $\left[ \frac{9.20}{\text{Water Column}} \right] \times 0.20 + \left[ \frac{4.73}{\text{DTW Initial}} \right] = 6.57$  ft  
 Max Drawdown (SD): 80% Recovery =  $\left( \left[ \frac{\quad}{\text{DTW after purge}} \right] - \left[ \frac{\quad}{\text{DTW Initial}} \right] \right) \times 0.20 + \left[ \frac{\quad}{\text{DTW Initial}} \right] = \quad$  ft

## SAMPLING DATA

Date: **06.18.08** Time: **12:55** am / pm  
 pH (if required): D.O. (if required): O.R.P. (if required):  
 Depth To Water before Sampling (ft): **6.09** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: <b>THRIFTY OIL CO. # 054</b>		Date: <b>06-18-2008</b>																		
Address: <b>2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546</b>		Well ID#: <b>RE-2</b>																		
Personnel: <b>SERBAN P.</b>		Weather: <b>SUNNY DAY</b>																		
<b>Purging Equipment:</b> <input type="checkbox"/> Bailer <input type="checkbox"/> Diaphragm Pump <input type="checkbox"/> Electric submersible <input type="checkbox"/> Pneumatic submersible <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other		<b>Sampling Equipment:</b> <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other																		
Monitoring Eq.: Water level instrument: <b>YELLOW JACKET</b> pH/Temp/Cond Meter: <b>HANNA</b>																				
Time of measurement: <b>8:10</b>	Well casing dia. (in): <b>4</b>	<b>Multippliers for purge volume estimation:</b> <table border="1" style="font-size: small;"> <tr><th>Well Dia.</th><th>1"</th><th>2"</th><th>4"</th><th>6"</th><th>12"</th></tr> <tr><td>3 Casing Vol.</td><td>0.12</td><td>0.49</td><td>1.96</td><td>4.40</td><td>17.62</td></tr> <tr><td>Borehole Vol.</td><td>0.40</td><td>0.77</td><td>1.51</td><td>2.57</td><td>7.71</td></tr> </table> <p><i>Note for borehole volume, add 1/2 BH vol for each subsequent passes</i></p>	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
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): <b>16.98</b>	Depth To Product (ft):																			
Depth To Water (ft): <b>5.03</b>	Product Thickness (ft):																			
Water Column (ft): <b>11.95</b>	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)																			
		<b>Estimated Purge Volume (gal):</b> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <math>11.95 \times 1.96 = 23</math>  <small>water column                  multiplier</small> </div>																		

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
10:00							
10:05	5	5	72.1	5.91	1240	CLEAR	
10:10	5	5	72.3	5.87	1260	CLEAR	
10:15	5	5	72.1	5.83	1310	CLEAR	
10:20	5	5	72.4	5.86	1310	CLEAR	
10:25	5	5	72.6	5.90	1310	CLEAR	
DTW immed. after purge (ft): <b>4.86</b>		Actual purged volume (gal): <b>25</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $\left[ \frac{11.95}{16.98} \right] \times 0.20 + \left[ \frac{5.03}{16.98} \right] = 7.42$  ft

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

Water Column                  DTW Initial                  DTW after purge                  DTW Initial                  DTW Initial

## SAMPLING DATA

Date: <b>06.18.08</b>	Time: <b>13:00</b>	am / pm	pH (if required):	D.O. (if required):	O.R.P. (if required):
Depth To Water Before Sampling (ft): <b>8.11</b>		Notes:			

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

\_\_\_\_\_

\_\_\_\_\_



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RE-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: **8:20** Well casing dia. (in) **4** Multipliers for purge volume estimation:

Total Well Depth (ft): **17.50** Depth To Product (ft):

Depth To Water (ft): **6.64** Product Thickness (ft):

Water Column (ft): **10.86**

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

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

Estimated Purge Volume (gal): **10.86 x 1.96 = 21**

water column      multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations	
(hh:mm)	(min)							
10:30								
10:34	4	4	72.4	6.03	1420	CLEAR		
10:38	4	4	72.6	6.11	1410	CLEAR		
10:42	4	4	72.6	6.01	1340	CLEAR		
10:46	4	4	72.3	5.93	1370	CLEAR		
10:51	5	0	72.1	6.01	1370	CLEAR		
DTW immed. after purge (ft):		<b>6.58</b>	Actual purged volume (gal):		<b>21</b>	Avg Purge Rate (gpm):		<b>1</b>

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[\frac{10.86}{17.50}] \times 0.20 + [6.64] = 8.81$  ft

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

Water Column      DTW Initial      DTW after purge      DTW Initial      DTW Initial

## SAMPLING DATA

Date: **06.18.08** Time: **13:05** am / pm

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

Depth To Water Before Sampling (ft): **9.06** Notes:

Comments:

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# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RE-4**

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: **8:30** Well casing dia. (in): **4** Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	6"	12"
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): **14.69** Depth To Product (ft):   
 Depth To Water (ft): **11.94** Product Thickness (ft):   
 Water Column (ft): **9.55**

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

**Estimated Purge Volume (gal):**  
 $9.55 \times 1.96 = 18$   
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)						
11:00							
11:05	5	5	72.3	5.86	1240	CLEAR	
11:10	5	5	72.6	5.93	1270	CLEAR	
11:15	5	5	72.4	5.96	1230	CLEAR	
11:18	3	3	72.4	5.87	1210	CLEAR	
			72.1	5.91	1230	CLEAR	
DTW immed. after purge (ft):		<b>4.87</b>	Actual purged volume (gal):		<b>18</b>	Avg Purge Rate (gpm):	

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = \left[ \frac{9.55}{14.69} \right] \times 0.20 + \left[ \frac{4.94}{14.69} \right] = 6.35 \text{ ft}$   
Water Column DTW Initial

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

## SAMPLING DATA

Date: **06.18.08** Time: **13:20** am / pm

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

Depth To Water Before Sampling (ft): **6.04** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: <b>THRIFTY OIL CO. # 054</b>		Date: <b>06-18-2008</b>																		
Address: <b>2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546</b>		Well ID#: <b>RE-6</b>																		
Personnel: <b>SERBAN P.</b>		Weather: <b>SUNNY DAY</b>																		
<b>Purging Equipment:</b> <input type="checkbox"/> Bailer <input type="checkbox"/> Diaphragm Pump <input type="checkbox"/> Electric submersible <input type="checkbox"/> Pneumatic submersible <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other		<b>Sampling Equipment:</b> <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other																		
Monitoring Eq.: Water level instrument: <b>YELLOW JACKET</b> pH/Temp/Cond Meter: <b>HANNA</b>																				
Time of measurement: <b>8:40</b>	Well casing dia. (in): <b>4</b>	<b>Multippliers for purge volume estimation:</b> <table border="1" style="font-size: small;"> <tr><th>Well Dia</th><th>1"</th><th>2"</th><th>4"</th><th>6"</th><th>12"</th></tr> <tr><td>3 Casing Vol.</td><td>0.12</td><td>0.49</td><td>1.96</td><td>4.40</td><td>17.62</td></tr> <tr><td>Borehole Vol.</td><td>0.40</td><td>0.77</td><td>1.51</td><td>2.57</td><td>7.71</td></tr> </table> <p><i>Note for borehole volume, add 1/2 BH vol for each subsequent passes</i></p>	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
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): <b>13.59</b>	Depth To Product (ft):																			
Depth To Water (ft): <b>5.61</b>	Product Thickness (ft):																			
Water Column (ft): <b>7.98</b>	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)																			
		<b>Estimated Purge Volume (gal):</b> $7.98 \times 1.96 = 16$ <small>water column      multiplier</small>																		

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
11:25							
11:29	4	4	72.3	6.03	1520	CLEAR	
11:33	4	4	72.4	6.11	1570	CLEAR	
11:37	4	4	72.1	6.04	1530	CLEAR	
11:41	4	4	72.4	6.06	1520	CLEAR	
DTW immed. after purge (ft): <b>5.56</b>		Actual purged volume (gal): <b>16</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $\left[ \frac{7.98}{\text{Water Column}} \right] \times 0.20 + \left[ \frac{5.61}{\text{DTW Initial}} \right] = 7.20$  ft

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

## SAMPLING DATA

Date: <b>06.18.08</b>	Time: <b>13:45</b>	am / pm	pH (if required):	D.O. (if required):	O.R.P. (if required):
Depth To Water Before Sampling (ft): <b>7.11</b>		Notes:			

Comments:

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# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RE-7**

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: <b>8:50</b>	Well casing dia. (in): <b>4</b>	<b>Multippliers for purge volume estimation:</b> <table border="1"> <tr> <th>Well Dia</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table>	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
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): <b>13.15</b>	Depth To Product (ft):																			
Depth To Water (ft): <b>5.11</b>	Product Thickness (ft):																			
Water Column (ft): <b>8.04</b>	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)																			

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

**Estimated Purge Volume (gal) :**  
 $8.04 \times 1.96 = 16$   
water column      multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
11:45							
11:49	4	4	72.1	5.93	1270	clear	
11:53	4	4	72.4	5.96	1310	clear	
11:57	4	4	72.3	5.87	1320	clear	
12:01	4	4	72.3	5.83	1320	clear	
DTW immed. after purge (ft): <b>6.05</b>		Actual purged volume (gal): <b>16</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = \left[ \frac{8.04}{\text{Water Column}} \right] \times 0.20 + \left[ \frac{5.11}{\text{DTW Initial}} \right] = 6.71 \text{ ft}$

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

## SAMPLING DATA

Date: **06.18.08** Time: **14:10** am / pm

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

Depth To Water Before Sampling (ft): **7.04** Notes:

Comments:



# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RS-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:	<b>9:00</b>	Well casing dia. (in)	<b>2</b>	<b>Multipliers for purge volume estimation:</b> <table border="1"> <tr> <th>Well Dia.</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>Casing Vol.</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol.</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table> <small>Note for borehole volume, add 1/2 BH vol for each subsequent passes</small>	Well Dia.	1"	2"	4"	6"	12"	Casing Vol.	0.12	0.49	1.96	4.40	17.62	Borehole Vol.	0.40	0.77	1.51	2.57	7.71
Well Dia.	1"	2"	4"		6"	12"																
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):	<b>25.18</b>	Depth To Product (ft)																				
Depth To Water (ft):	<b>9.78</b>	Product Thickness (ft)																				
Water Column (ft):	<b>15.40</b>	<b>Purge Vol Calculation:</b> <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)		<b>Estimated Purge Volume (gal) :</b> <b>15.40 x 0.49 = 7</b> <small>water column                      multiplier</small>																		

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:10							
12:12	2	2	72.4	6.03	1370	CLEAR	
12:14	2	2	72.1	5.93	1420	CLEAR	
12:16	2	2	72.0	5.87	1460	CLEAR	
12:18	2	2	72.2	5.83	1460	CLEAR	
DTW immed. after purge (ft):		<b>9.75</b>	Actual purged volume (gal):		<b>8</b>	Avg Purge Rate (gpm): <b>1</b>	

## RECOVERY CALCULATION

Method:  Total Well Depth:  $80\% \text{ Recovery} = \left[ \frac{15.40}{\text{Water Column}} \right] \times 0.20 + \left[ \frac{9.78}{\text{DTW Initial}} \right] = 12.86 \text{ ft}$

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

## SAMPLING DATA

Date: **06.18.08** Time: **14:30** am / pm

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

Depth To Water Before Sampling (ft): **13.06** Notes:

Comments:

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# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RS-9**

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** Multipliers for purge volume estimation:

Well Dia.	1"	2"	4"	6"	12"
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): **14.93** Depth To Product (ft):   
 Depth To Water (ft): **4.15** Product Thickness (ft):   
 Water Column (ft): **10.78**

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

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

Estimated Purge Volume (gal): **10.78 x 0.49 = 5**  
water column                      multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:25							
12:27	2	2	72.4	6.01	1350	CLEAR	
12:29	2	2	72.3	6.03	1350	CLEAR	
12:31	2	2	72.3	6.06	1340	CLEAR	
DTW immed. after purge (ft): <b>4.15</b>		Actual purged volume (gal): <b>6</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[ \text{Water Column} ] \times 0.20 + [ \text{DTW Initial} ] = \underline{6.30}$  ft

Max Drawdown (SD): 80% Recovery =  $( [ \text{DTW after purge} ] - [ \text{DTW Initial} ] ) \times 0.20 + [ \text{DTW Initial} ] = \underline{\hspace{2cm}}$  ft

## SAMPLING DATA

Date: **06.18.08** Time: **14:30** am / pm

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

Depth To Water Before Sampling (ft): **6.03** Notes:

Comments:

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# FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 054** Date: **06-18-2008**

Address: **2504 CASTRO VALLEY BLVD, CASTRO VALLEY 94546** Well ID#: **RS-11**

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: **9:20** 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): **24.70** Depth To Product (ft):   
 Depth To Water (ft): **6.25** Product Thickness (ft):   
 Water Column (ft): **18.45**

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

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

Estimated Purge Volume (gal): **18.45 x 0.49 = 9**  
water column multiplier

## PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:40	5						
12:43	3	3	72.4	6.03	1240	CLEAR	
12:46	3	3	72.6	6.01	1260	CLEAR	
12:49	3	3	72.4	6.01	1260	CLEAR	
DTW immed. after purge (ft): <b>6.22</b>		Actual purged volume (gal): <b>9</b>		Avg Purge Rate (gpm): <b>1</b>			

## RECOVERY CALCULATION

Method:  Total Well Depth: 80% Recovery =  $[\text{Water Column}] \times 0.20 + [\text{DTW Initial}] = 9.94$  ft

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

## SAMPLING DATA

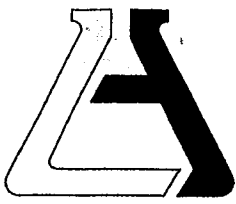
Date: **06.18.08** Time: **15:00** am / pm

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

Depth To Water Before Sampling (ft): **10.06** Notes:

Comments:

## ***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 214852 ✓  
REPORTED 06/26/2008  
RECEIVED 06/20/2008

PROJECT Station #054 ✓  
2504 Castro Valley Blvd., Castro Valley

SUBMITTER Client

COMMENTS Global ID: T0600101363

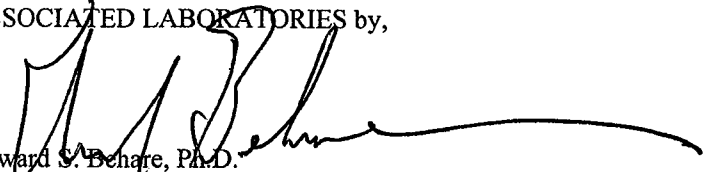
\* Matrix Interference.

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>
909233	TOC #054 RS-11
909234	TOC #054 RS-9
909235	TOC #054 RS-8
909236	TOC #054 RE-7
909237	TOC #054 RE-6
909238	TOC #054 RE-4
909239	TCO #054 RE-3
909240	TOC #054 RE-2
909241	TOC #054 PW-1

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,

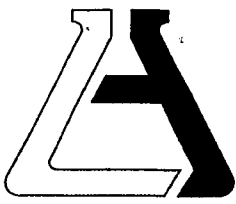
  
Edward S. Behare, Ph.D.  
Vice President

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





**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 214852 ✓

REPORTED 06/26/2008

RECEIVED 06/20/2008

PROJECT Station #054 ✓  
2504 Castro Valley Blvd., Castro Valley

SUBMITTER Client

COMMENTS Global ID: T0600101363

\* 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.

Order No.

909242

909243

Client Sample Identification

TOC #054 Trip Blank

Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.  
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING  
Chemical  
Microbiological  
Environmental

Order #: 909233

Client Sample ID: TOC #054 RS-11

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 15:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	79			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	127			%	70 - 130	
Surr3 - Toluene-d8	97			%	70 - 130	
Surr4 - p-Bromofluorobenzene	106			%	70 - 130	
<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
p-Bromofluorobenzene (Sur)	103			%	60 - 130	

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



Order #: 909234

Client Sample ID: TOC #054 RS-9

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 14:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

Surrogates				Units	Control Limits
Surr1 - Dibromofluoromethane	80			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	131*			%	70 - 130
Surr3 - Toluene-d8	99			%	70 - 130
Surr4 - p-Bromofluorobenzene	105			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
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Surrogates				Units	Control Limits
p-Bromofluorobenzene (Sur)	101			%	60 - 130

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



Order #: 909235

Client Sample ID: TOC #054 RS-8

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

Surrogates				Units	Control Limits
Surr1 - Dibromofluoromethane	81			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	134*			%	70 - 130
Surr3 - Toluene-d8	98			%	70 - 130
Surr4 - p-Bromofluorobenzene	107			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
----------	----	---	----	-----	------	-------------

Surrogates				Units	Control Limits
p-Bromofluorobenzene (Sur)	104			%	60 - 130

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



Order #: 909236

Client Sample ID: TOC #054 RE-7

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 14:10

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

Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	79			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	131*			%	70 - 130
Surr3 - Toluene-d8	99			%	70 - 130
Surr4 - p-Bromofluorobenzene	106			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	105			%	60 - 130

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



Order #: 909237

Client Sample ID: TOC #054 RE-6

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 13:45

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

Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

**Surrogates**

					Units	Control Limits
Surr1 - Dibromofluoromethane	79				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	126				%	70 - 130
Surr3 - Toluene-d8	97				%	70 - 130
Surr4 - p-Bromofluorobenzene	105				%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
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**Surrogates**

					Units	Control Limits
p-Bromofluorobenzene (Sur)	105				%	60 - 130

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



Order #: 909238

Client Sample ID: TOC #054 RE-4

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 13:20

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

Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	82			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	125			%	70 - 130
Surr3 - Toluene-d8	97			%	70 - 130
Surr4 - p-Bromofluorobenzene	104			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
----------	----	---	----	-----	------	-------------

**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	104			%	60 - 130

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



Order #: 909239  
Matrix: WATER

Client Sample ID: TCO #054 RE-3  
Date Sampled: 06/18/2008 Time Sampled: 13:05

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

**8260B BTEX/MTBE Only**

Benzene	ND	1	1	0.18 ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21 ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	06/25/08 YL
Toluene	ND	1	5	0.24 ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45 ug/L	06/25/08 YL

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	83			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	127			%	70 - 130
Surr3 - Toluene-d8	97			%	70 - 130
Surr4 - p-Bromofluorobenzene	107			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6 ug/L	06/24/08 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	103			%	60 - 130

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





Order #: 909240

Matrix: WATER

Client Sample ID: TOC #054 RE-2

Date Sampled: 06/18/2008 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	80			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	130			%	70 - 130	
Surr3 - Toluene-d8	97			%	70 - 130	
Surr4 - p-Bromofluorobenzene	105			%	70 - 130	
<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
p-Bromofluorobenzene (Sur)	105			%	60 - 130	

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



Order #: 909241

Client Sample ID: TOC #054 PW-1

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 12:55

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
Surr1 - Dibromofluoromethane	81			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	131*			%	70 - 130	
Surr3 - Toluene-d8	96			%	70 - 130	
Surr4 - p-Bromofluorobenzene	105			%	70 - 130	
<b>8015M - Gasoline</b>						
Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
<b>Surrogates</b>				<b>Units</b>	<b>Control Limits</b>	
p-Bromofluorobenzene (Sur)	103			%	60 - 130	

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



Order #: 909242

Client Sample ID: TOC #054 Trip Blank

Matrix: WATER

Date Sampled: 06/18/2008 Time Sampled: 00:00

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

Benzene	ND	1	1	0.18	ug/L	06/26/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/26/08 YL
Toluene	ND	1	5	0.24	ug/L	06/26/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/26/08 YL

**Surrogates**

				Units	Control Limits
Surr1 - Dibromofluoromethane	82			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	126			%	70 - 130
Surr3 - Toluene-d8	97			%	70 - 130
Surr4 - p-Bromofluorobenzene	104			%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/24/08 LT
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**Surrogates**

				Units	Control Limits
p-Bromofluorobenzene (Sur)	103			%	60 - 130

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



Order #: 909243

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
<b>8260B BTEX/MTBE Only</b>						
Benzene	ND	1	1	0.18	ug/L	06/25/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/25/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/25/08 YL
Toluene	ND	1	5	0.24	ug/L	06/25/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/25/08 YL

**Surrogates**

		Units	Control Limits
Surr1 - Dibromofluoromethane	82	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	126	%	70 - 130
Surr3 - Toluene-d8	96	%	70 - 130
Surr4 - p-Bromofluorobenzene	108	%	70 - 130

**8015M - Gasoline**

Gasoline	ND	1	50	6.6	ug/L	06/23/08 LT
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**Surrogates**

		Units	Control Limits
p-Bromofluorobenzene (Sur)	107	%	60 - 130

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



# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 8

Sample ID: *MS/MSD Water Sample* 214581-198

Date Prepared: June 26, 2008

Date Analyzed: June 27, 2008

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 214851, 214852

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	47.19	45.53	94	91	4	22	59 - 172
MTBE	0.00	50.0	60.92	61.18	122	122	0	24	62 - 137
Benzene	0.00	50.0	44.42	43.80	89	88	1	24	62 - 137
Trichloroethene	0.00	50.0	43.76	42.67	88	85	3	21	66 - 142
Toluene	0.00	50.0	42.99	43.05	86	86	0	21	59 - 139
Chlorobenzene	0.00	50.0	42.94	41.60	86	83	3	21	60 - 133

Sample ID: *LCS*

June 26, 2008

7:00 AM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	45.50	91	59 - 172
MTBE	50.0	42.70	85	62 - 137
Benzene	50.0	42.35	85	62 - 137
Trichloroethene	50.0	42.06	84	66 - 142
Toluene	50.0	43.17	86	59 - 139
Chlorobenzene	50.0	41.62	83	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	79	75	103	101	102	70 - 135
1,2-Dichloroethane-d4	128	108	97	102	101	70 - 135
Toluene-d8	97	99	99	96	96	70 - 135
p-Bromofluorobenzene	105	103	99	98	97	70 - 135

# ASSOCIATED LABORATORIES

## QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 8

Sample ID: *MS/MSD Water Sample* 214852-233

Date Prepared: June 25, 2008

Date Analyzed: June 26, 2008

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 214505, 214789, 214852

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	47.05	47.03	94	94	0	22	59 - 172
MTBE	0.00	50.0	43.48	42.45	87	85	2	24	62 - 137
Benzene	0.00	50.0	43.42	44.17	87	88	2	24	62 - 137
Trichloroethene	0.00	50.0	45.32	46.07	91	92	2	21	66 - 142
Toluene	0.00	50.0	46.05	44.67	92	89	3	21	59 - 139
Chlorobenzene	0.00	50.0	43.39	43.54	87	87	0	21	60 - 133

Sample ID: *LCS*

June 25, 2008

8:07 AM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	43.71	87	59 - 172
MTBE	50.0	40.51	81	62 - 137
Benzene	50.0	40.53	81	62 - 137
Trichloroethene	50.0	42.05	84	66 - 142
Toluene	50.0	42.25	84	59 - 139
Chlorobenzene	50.0	41.53	83	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	82	77	106	99	96	70 - 135
1,2-Dichloroethane-d4	126	118	106	107	103	70 - 135
Toluene-d8	96	98	99	97	101	70 - 135
p-Bromofluorobenzene	108	106	99	98	100	70 - 135

**ASSOCIATED LABORATORIES  
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD

Matrix: WATER

Prep. Date: June 23, 2008

Analysis Date 06/23/08-06/24/08

Lab ID#'s in Batch: 214852, 214863, 214867

**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	501	491	100	98	2

ND = Not Detected

LCS Result = Lab Control Sample Result

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

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

%REC LIMITS = 70 - 130
RPD LIMITS = 30

**SURROGATE RECOVERY**

Sample No.	BFB
QC Limit	60-140
Method Blank	107
LCS	110
LCSD	110

BFB = *p*-Bromofluorobenzene



**ASSOCIATED LABORATORIES**

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

FAX 714-538-1209

**SAMPLE ACCEPTANCE CHECKLIST**

**Section 1**  
 Client: T.O.C Project: \_\_\_\_\_  
 Date Received: 6/20  
 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: 311  
 (Acceptance range is 2 to 6 Deg. C.)

<b>Section 3</b>	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"/>		
Was there 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  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Completed By: Alan R Date: 6/20/08





**Chain of Custody Record**

IR 214852 Page 1 of 1

Company	THRIFTY OIL CO.	Phone	562(921-3581)	A.L. Job No.	
Project Manager	JEFF BURYAKUSUMA	Fax	562(921-7510)	Analysis Requested	
Project Name	Q. W. S.	Project #	054	Test Instructions & Comments	TO600101363
Site Name and Address	2504 CASTRO VALLEY BLVD. CASTRO VALLEY CA. 95546				

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH4 (8015M)	BTEX (8260B)	MTBE (8260B)
RS-11-		06.18.08	15:00	H <sub>2</sub> O	4-VOA	HCL	X	X	X
RS-9-			14:40				X	X	X
RS-8-			14:30				X	X	X
RE-7-			14:10				X	X	X
RE-6-			13:45				X	X	X
RE-4-			13:20				X	X	X
RE-3-			13:05				X	X	X
RE-2-			13:00				X	X	X
DW-1			12:55				X	X	X
TRIP BLANK			00:00		2-VOA	HCL	X	X	

<b>Sample Receipt - To Be Filled By Laboratory</b>				Relinquished by Sampler: <b>EMC</b> 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	57	Property Cooled Y/N/NA	Y/N/NA	Signature: <i>[Signature]</i>	Signature:	Signature:
Custody Seals Y/N/NA		Samples Intact Y/N/NA	Y/N/NA	Printed Name: <b>SERRANO P</b>	Printed Name:	Printed Name:
Received in Good Condition Y/N		Samples Accepted Y/N	Y/N	Date: <b>06.19.08</b> Time: <b>16:00</b>	Date: Time:	Date: Time:
<b>Turn Around Time</b>				Received By: <b>G.S.O.</b> 1.	Received By: <b>[Signature]</b> 2.	Received By: <b>[Signature]</b> 3.
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 72 hrs.				Signature:	Signature:	Signature:
				Printed Name:	Printed Name: <b>ADA RAMOS</b>	Printed Name:
				Date: Time:	Date: <b>6/20</b> Time: <b>12:37</b>	Date: <b>6-23-08</b> Time: <b>9:22</b>