THRIFTY OIL CO.

July 6, 2011

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Alameda County
Environmental Health

O.114757

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

Local #RO0000005
RWQCB #01-1479
EDF # **3584130823**

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
First Semester 2011, Status Report and Request for Low Risk Case Closure

Dear Mr. Khatri:

Presented herein is the First Semester 2011, Status Report and Request for Low Risk Case Closure prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report includes the results of the semi-annual groundwater-monitoring program and ongoing remediation conducted during the First Semester 2011. Thrifty has retained the services of Earth Management Company (EMC) to conduct semi-annual monitoring and sampling, and remediation system operation and maintenance activities at this site.

Based on an approved Workplan, on April 18 and 19, 2011, GeoHydrologic Consultants, Inc. (GHC) implemented site assessment activities, which included the installation of six soil vapor sample locations (SV-1 through SV-6) and six soil borings locations (SB-1 through SB-6). Groundwater samples were collected at first encountered groundwater in soil borings SB-1, SB-5 and SB-6 and soil vapor sample locations SV-5 and SV-6. Results of the site assessment activities were summarized in the June 9, 2011 *Additional Site Assessment Report and Request for Closure* prepared by GHC. (**Figure 1A**). Analytical results for the soil vapor samples collected during site assessment activities indicate that site conditions pose no significant risk to human health. Analytical results for the soil and groundwater samples collected during these recent site assessment activities indicate that impacted soil is very limited in concentration and volume and the groundwater plume is limited in concentration and extent, and is shrinking.

Thrifty believes that the residual dissolved-phase hydrocarbons at the site pose little to no risk to the human health or environment, and respectfully requests that the ACHCS grant low risk closure for this site. This is based upon the following items listed below:

- The hydrocarbon plume has been adequately defined, it is stable and shrinking;

- As a result of remediation efforts and natural attenuation, TPHg, benzene, MTBE and TBA concentrations have significantly decreased (a decrease in concentration up to three orders of magnitude for some constituents in some wells) since sampling began in November 1986. Graphs showing the decrease in hydrocarbon constituent concentrations through time in all seven site wells are shown in **Appendix E.**

- The primary source of contamination has been eliminated by removal of the three former gasoline underground storage tanks (USTs) on February 4, 1998. During the tank removal and replacement activities, 977.22 tons of impacted soil were removed from the site and taken to TPS Technologies, Inc. located in Adelanto, California for final disposal, thus reducing the secondary source of contamination. Subsequent groundwater remediation system operations and other remedial activities have removed 3,405,179 gallons of groundwater and 307.6 pounds of vapor-phase hydrocarbons. As a result of the above remediation activities, essentially all of the source area contamination has been removed.

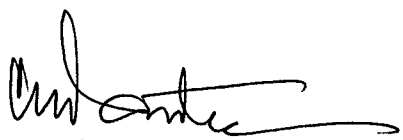
- According to 1986 Woodward Clyde Consultants (WCC) Production Well Survey Report, no municipal wells were identified within one-mile of the site.

Based upon the results of the above-mentioned site assessment activities and current soil and groundwater conditions, Thrifty respectfully requests low-risk regulatory case closure for this site.

I declare, under penalty of perjury, that the information and/or recommendations contained in this document are true and correct to the best of my knowledge.

Should you have any questions regarding this report, please contact Simon Tregurtha (562) 921-3581 Ext. 260 or the undersigned at Ext 390.

Respectfully submitted,



Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Mr. John Skance
File

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063

First Semester 2011

Reporting Period: 01/01/2011 to 06/30/2011

Site Information:

Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	**3584130823** .
Lead Agency No.:	Local #RO0000005
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Paresh Khatri / 510 383-1767
Project Manager:	Simon Tregurtha / 562-921-3581 Ext. 260

Field Activity:

Groundwater wells onsite:	5
Groundwater wells offsite:	2
Date(s) monitored:	June 8, 2011
Date(s) sampled:	June 8, 2011
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Existing groundwater treatment system
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

Site Hydrogeology (based on November 10, 2010 data):

Depth to groundwater (feet bgs):	12.50 to 16.56
Groundwater elevation (feet above mean sea level):	132.32 to 135.88
Groundwater gradient and flow direction:	West-northwest at approximately 0.05 ft./ft.
Consistent with previous reporting period:	No (previous semester was southwest)

Groundwater Conditions (based on November 10, 2010 data):

TPHg concentration (ug/L):	ND<6.6 to 23,600
Benzene concentration (ug/L):	ND<0.18 to 262
Toluene concentration (ug/L):	ND<0.24 to 2,780
Ethyl benzene concentration (ug/L):	ND<0.21 to 521

Total Xylenes concentration (ug/L):	ND<0.45 to 5,380
MTBE concentration (ug/L):	ND<0.19 to <9.5
DIPE concentration (ug/L):	ND<0.20 to ND<10.0
ETBE concentration (ug/L):	ND<0.23 to ND<11.5
TAME concentration (ug/L):	ND<0.19 to ND<9.5
TBA concentration (ug/L):	ND<5.2 to <260.0

Remediation Activity (1) :

Activity:	Soil excavation during UST removal
When Occurred:	February and March 1998
Hydrocarbon impacted soil removed (tons)	977.22

Remediation Activity (2):

System type:	5-Day and 30-Day Mobile HVDPE events
Period Conducted:	5/3/10 through 5/8/10 and 9/13/10 through 10/13/10
Operation this Semester (hrs):	0
Cumulative Operation (hrs):	120 +720 = 840
GW removed this semester via Mobile HVDPE:	0
Cumulative GW removed via Mobile HVDPE	18,290
Pounds of vapor phase hydrocarbons removed this semester:	0
Cumulative pounds of vapor phase hydrocarbons removed:	307.6

Remediation Activity (3):

System type:	GWPT
System start-up:	4/8/1991
GW discharge this semester (gal.):	45,270 (12/22/10 to 06/21/11)
Total GW discharge (gal.):	3,405,179 (through 06/21/11)

Total Remediation Achievements through June 21, 2011

Total gallons of groundwater removed:	3,405,179
Total pounds of vapor phase hydrocarbons removed	307.6
Total tons of hydrocarbon impacted soil removed	977.22

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a semi-annual basis. Groundwater monitoring well locations are presented in **Figure 1.** A groundwater elevation contour map based on the June 8, 2011, groundwater monitoring data is presented in **Figure 2.** The groundwater flow direction is to the west-northwest at an approximate gradient of 0.05 feet/foot.

Semi-Annual Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 on June 8, 2011. Groundwater samples were collected by Earth Management Company (EMC) and delivered in a chilled state following strict Chain-of-Custody procedure to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical results are provided in the **Summary Table, Table 1** and **Table 2.** Copies of the Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

Laboratory results for the groundwater samples collected on June 8, 2011 indicate that the highest concentrations of TPHg and benzene were detected in well MW-3 at 23,600 micrograms per liter (µg/L) and 262 µg/L. MTBE, TAME and TBA were non-detectable at or above laboratory detection limits in any of the wells.

TPHg, benzene, MTBE, and TBA isoconcentration maps were prepared using results from the June 8, 2011 groundwater sampling and monitoring event, and the results are presented in **Figures 3, 4, 5**, and **6,** respectively.

Remediation Status

Site remedial activities were initiated in April 1991. Currently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. System operational data is included in **Table 3.** Copies of the Field Status Reports for groundwater remediation system are presented in **Appendix C**, and copies of the laboratory analytical reports are contained in **Appendix D**. During the current reporting period (from December 22, 2010 through June 21, 2011), the groundwater treatment system processed approximately 45,270 gallons and has treated approximately 3,405,179 gallons of groundwater since start-up (April 1991). The system was upgraded in the Second Quarter 2005, when a pump was replaced in well MW-3 and MW-4 was added to the extraction well array.

Other Activities

According to the *Underground Storage Tank Removal Report* prepared by Pacific Environmental Group, Inc. and dated August 31, 1998, 977.22 tons of hydrocarbon impacted soil was removed from the site during underground removal activities completed in February and March 1998. The soils were transported to TPS Technologies, Inc. located in Adelanto, California for final disposal.

In a letter received by Thrifty dated December 7, 2005, the Alameda County Health Care Services (ACHCS) requested site information including depth to water, groundwater flow direction, dissolved constituents concentrations, well screen levels, plume stability, and if active remediation was occurring onsite. Thrifty provided the requested information on January 10, 2006. The ACHCS also requested that a site conceptual model (SCM) be prepared for the site; Thrifty uploaded the SCM to the ACHCS FTP website and to Geotracker on April 26, 2006.

In a letter received by Thrifty dated October 24, 2006, the ACHCS requested a Revised SCM (RSCM) and an offsite investigation workplan (Workplan). On behalf of Thrifty, Equipoise Corporation uploaded the RSCM and Workplan to the California Geotracker website and the ACHCS FTP website on November 29, 2006. Subsequently, the ACHCS sent a letter to Thrifty dated December 21, 2006 approving the Workplan for down-gradient off-site assessment. On February 22, 2007, two downgradient groundwater monitoring wells (MW-7 and MW-8) were installed on the adjacent property located to the south of the Site by Test America of Rancho Cordova, California under the supervision of Equipoise Corporation. Results of the additional site assessment were presented in a *Site Assessment/Well Installation Report,* submitted to ACHCS on April 5, 2007.

In an effort to reduce hydrocarbon contamination in the soil and groundwater beneath the site and to move the site towards closure, Thrifty proposed the implementation of a continuous 5-day high vacuum dual-phase extraction (HVDPE) event (with possible additional events to be performed based upon results). The HVDPE was proposed in the Second Quarter 2008 Status Report dated July 2, 2008 and at that time Thrifty indicated that it would submit a workplan detailing the proposed Interim Remedial Action upon your approval. The ACEHS did not respond to Thrifty's proposal and on September 2, 2008 (after waiting 60-days and under the 60-day rule) Thrifty submitted a Remedial Action Plan (RAP). The RAP proposed performing a five consecutive day (24-hours/day) multi-phase extraction (MPE) event to reduce the hydrocarbon concentrations beneath the site. As an alternative to the HVDPE event proposed in the Second Quarter 2008 Status Report, the RAP proposed to utilize the existing groundwater treatment system in combination with a mobile soil vapor extraction (SVE) unit to facilitate the MPE event. The proposed MPE event would be as technically effective as the HVDPE and much more cost-effective by utilizing the existing system for treatment and discharge of groundwater to the sewer (rather than incurring Baker Tank and offsite disposal costs).

Following a review of the September 2, 2008 RAP and April 5, 2007 SAR, the ACHCS issued a letter dated December 29, 2008 (Letter). The ACHCS Letter requested that several outstanding issues be addressed prior to implementing the RAP, including delineating the downgradient extent of the contamination plume, defining the extent of the source area soil contamination, and evaluating the associated human health risks. The Letter also requested an explanation for fluctuating groundwater treatment system influent concentrations.

On February 4, 2009, Thrifty submitted a Response Letter that addressed several statements and comments included in Item 4 of the Technical Comments Section of the December 29, 2008 ACHCS Letter. The Response Letter included clarification of statements made by both Thrifty and the ACHCS regarding peak concentrations detected in the influent stream of the groundwater treatment system.

On February 18, 2009, Thrifty submitted an *Additional Site Assessment Workplan* (ASAW), in response to the December 29, 2008 ACHCS Letter, which requested that Thrifty propose a scope of work to: (1) evaluate the lateral and vertical extent of the source area soil contamination; (2) evaluate the lateral and vertical extent of the dissolved phase hydrocarbon plume downgradient of the site; (3) collect soil vapor samples to assess the potential risk to on-site and offsite receptors. To comply with the directives in the Letter, the ASAW proposed collecting four soil vapor samples (SV-1 through SV-4) at approximately 3-feet below ground surface (bgs), advancing four soil borings (SB-1 through SB-4) to approximately 30-feet bgs, and installing one offsite groundwater monitoring well (MW-9) to approximately 30-feet bgs.

On February 9, 2010, Thrifty submitted a *Notification of Intent to Proceed with the Proposed Five-Day Consecutive (24-hour/day) Multi-Phase Extraction Event (*Notification Letter*)*. The Notification Letter indicated that Thrifty would proceed with the implementation of the Five Consecutive Day MPE event under the "60-day rule" if no response was received from the ACHCS by April 10, 2010.

On June 9, 2010, Thrifty submitted a *Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual Phase Extraction Event* (HVDPER/WP). The HVDPER/WP summarized the results of the continuous 5-day mobile HVDPE event that was conducted using well MW-4 as the extraction point and recommended an additional continuous 30-day HVDPE event to remove residual contamination from the subsurface soils at the site. During the continuous 5-day HVDPE event conducted from May 3, 2010 through May 8, 2010, 15.80 pounds of vapor hydrocarbons were removed and destroyed and 5,720 gallons of groundwater were removed and discharged through the existing groundwater treatment system.

In their letter dated August 26, 2010, the ACHCS approved the proposed 30-Day mobile HVDPE event. The HVDPE event was conducted by CalClean Inc., between September 13 and October 13, 2010, using well MW-4 as the extraction point in accordance with the *Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* (Workplan) dated June 9, 2010.

On November 2, 2010, Thrifty submitted a *High Vacuum Dual Phase Extraction and Request for Low Risk Closure* (HVDPE) report, dated October 21, 2010, and prepared by CalClean Inc. (CalClean) which summarized the results of the continuous 30-Day (24-hour/Day) mobile HVDPE event conducted from September 13 to October 13, 2010.

On November 18, 2010, Thrifty submitted a *Revised Addendum to the Additional Site Assessment Workplan* (Revised Workplan Addendum) in response to a telephone conversation between Mr. Paresh Khatri of the ACHCS and Simon Tregurtha of Thrifty on November 9, 2010. During the November 9, 2010 telephone conversation, Mr. Khatri indicated that he had reviewed Thrifty's November 2, 2010 HVDPE Report/Closure Request and was in agreement with Thrifty's request to consider the site for low risk closure. Mr. Khatri stated that the site assessment proposed in the February 18, 2009 ASAWP and the September 13, 2010 Workplan Addendum, was still needed, but the scope of work should be modified to include two soil boring/groundwater grab sample locations to replace the proposed offsite groundwater monitoring well MW-9 which was deemed by the agency as being no longer needed. Thrifty proposed installing two offsite soil borings (SB-5 and SB-6) and collecting soil samples and a groundwater grab sample from each of these locations, instead of installing the previously proposed offsite groundwater monitoring well (MW-9) originally proposed in Racine Street and west of the site (**Figure 3A**). In a letter to Thrifty dated January 6, 2011, the ACHCS conditionally approved the November 18, 2010 Revised Workplan Addendum.

On April 18 and 19, 2011, GHC implemented the above-mentioned site assessment activities, which included the installation of six soil vapor sample locations (SV-1 through SV-6) and six soil borings locations (SB-1 through SB-6). Groundwater samples were collected at first encountered groundwater in soil borings SB-1, SB-5 and SB-6 and soil vapor sample locations SV-5 and SV-6. Laboratory analytical results indicated that all soil vapor samples were non-detectable for all analytes of concern.

Laboratory analytical results for soil samples indicated maximum detectable concentrations of TPHg, MTBE and TBA at 95 mg/kg, 0.0083 mg/kg, and 0.044 mg/kg, respectively, with no detectable concentrations of benzene in any of the soil samples collected. Laboratory analytical results for groundwater samples indicated no detectable concentrations of TPHg, BTEX, ETBE or TAME with maximum MTBE and TBA concentrations at 11 µg/L and a maximum detectable concentration of DIPE at 2.9 µg/L. GHC concluded: soil vapor concentrations at the site pose no significant risk to human health; soil and groundwater concentrations detected during site assessment activities indicate impacted soil and the groundwater plume is limited in concentration and extent and shrinking. GHC recommended low-risk regulatory case closure for all soil and groundwater activities at this Site.

Request for Low-Risk Regulatory Case Closure

Soil vapor results collected during the April 2011 site assessment activities indicate that site conditions pose no significant risk to human health and soil and groundwater results indicated that impacted soil is very limited and the groundwater plume is limited in concentration and extent and shrinking. Therefore, Thrifty respectfully requests low-risk regulatory case closure for the site based upon the following rationale:

- The hydrocarbon plume has been adequately defined in the downgradient and cross gradient direction;

- The hydrocarbon plume is stable and diminishing through natural attenuation;

- As a result of remediation efforts and natural attenuation, TPHg, benzene, MTBE and TBA concentrations have in general significantly decreased (a decrease in concentration up to three orders of magnitude for some constituents in some wells) since sampling began in November 1986. Graphs showing the decrease in hydrocarbon constituent concentrations through time in all seven site wells are shown in **Appendix E**.

- The source of contamination, the three former gasoline underground storage tanks (USTs) were removed from the site on February 4, 1998. During the tank removal and replacement activities, 977.22 tons of impacted soil were removed from the site and taken to TPS Technologies, Inc. located in Adelanto, California for final disposal. Subsequent groundwater remediation system operations and other remedial activities have removed 3,405,179 gallons of groundwater and 307.6 pounds of vapor-phase hydrocarbons. As a result of the above remediation activities, essentially all of the source area contamination has been removed.

- According to 1986 Woodward Clyde Consultants (WCC) Production Well Survey Report, no municipal wells were identified within one-mile of the site.

Activities Planned for Second Semester 2011

Pending low risk closure for the site, Thrifty will perform the following:

- Continue to operate the groundwater extraction remediation system;
- Continue semi-annual groundwater monitoring/sampling of on-site and off-site wells; and
- Prepare and submit the Second Semester 2011 Status Report by January 15, 2012

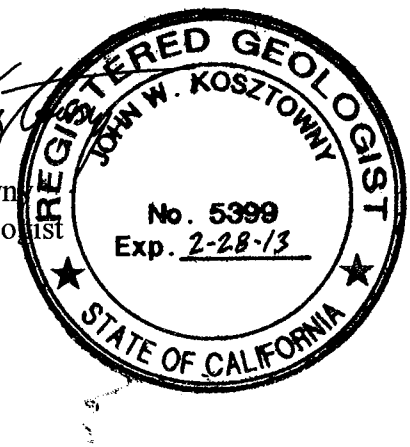
Closing Comments

Interpretations expressed herein are based solely upon data collected and provided by EMC and Associated Laboratories (by GHC and previously by CalClean). Should you have any questions regarding this report or require any additional information, please contact Simon Tregurtha at 562-921-3581, Ext. 260.

Sincerely:

Simon Tregurtha
Project Manager

John W. Kosztowny
Professional Geologist



TABLES

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

WELL	STATUS	Monit./ Sampl. Date	ANALYTICAL PARAMETERS										MONITORING PARAMETERS				ELEVATION		WELL	
			TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	DIA (inch)	SCREEN (feet)
MW-1	ACT	06/08/11	734	1.2	30	25	169	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.21	28.94	0.00	148.43	134.22	2"	15 - 30
MW-3	ACT	06/08/11	23,600	262	2,780	80 J	5,380	<3.8	<4.0	<4.6	<3.8	<104.0	NP	15.42	28.20	0.00	148.94	133.52	6"	15 - 30
MW-4	ACT	06/08/11	4,390	10	<1.2	<1.05	1,450	<0.95	<1.0	<1.15	<0.95	<26.0	NP	16.56	29.07	0.00	148.88	132.32	2"	9 - 29
MW-5	ACT	06/08/11	4,100	29	437	161	816	<0.19	<0.20	<0.23	<0.19	<5.2	NP	16.48	26.23	0.00	149.62	133.14	4"	7 - 27
MW-6	ACT	06/08/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.50	26.80	0.00	148.38	135.88	4"	7 - 27
MW-7	ACT	06/08/11	14,000	138	1,580	521	2,880	<9.5	<10.0	<11.5	<9.5	<260.0	NP	14.52	17.45	0.00	148.20	133.68	2"	8 - 18
MW-8	ACT	06/08/11	<6.6	<0.18	2.2 J	<0.21	4.1 J	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.91	18.29	0.00	147.31	134.40	2"	8 - 18

NOTE:

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
MONITORING WELL #MW-1				Screen Interval = 15 to 30 feet					Casing Diameter = 2 inches		
11/21/86	-	-	-	-	-	-	NP	15.42	0.00	99.34	83.92
07/22/91	-	-	-	-	-	-	FILM	20.41	0.00	99.34	78.93
10/24/91	-	-	-	-	-	-	SHEEN	19.06	0.00	99.34	80.28
01/22/92	-	-	-	-	-	-	SHEEN	18.78	0.00	99.34	80.56
03/24/92	-	-	-	-	-	-	SHEEN	13.55	0.00	99.34	85.79
07/15/92	-	-	-	-	-	-	FILM	18.90	0.00	99.34	80.44
10/05/92	-	-	-	-	-	-	FILM	20.50	0.00	99.34	78.84
01/06/93	-	-	-	-	-	-	FILM	14.93	0.00	99.34	84.41
07/13/93	-	-	-	-	-	-	FILM	15.44	0.00	99.34	83.90
10/11/93	-	-	-	-	-	-	FILM	20.36	0.00	99.34	78.98
01/11/94	-	-	-	-	-	-	FILM	19.50	0.00	99.34	79.84
04/12/94	-	-	-	-	-	-	FILM	18.10	0.00	99.34	81.24
07/14/94	-	-	-	-	-	-	FILM	20.03	0.00	99.34	79.31
01/15/96	11,000	2,800	150	780	770	-	NP	19.02	0.00	99.34	80.32
04/15/96	17,000	3,600	330	1,500	3,400	-	NP	18.82	0.00	99.34	80.52
07/15/96	12,000	1,300	200	1,200	4,600	250	NP	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.87	0.00	99.34	84.47
01/13/97	27,000	810	6,000	570	4,100	2,700	NP	10.20	0.00	99.34	89.14
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900	NP	#N/A	-	-	-
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	NP	18.75	0.00	99.34	80.59
10/16/97	680	<0.3	0.55	<0.3	<0.5	-	NP	17.92	0.00	99.34	81.42
01/07/98	42,000	980	2,800	1,200	5,200	1.3	NP	9.80	0.00	99.34	89.54
04/06/98	7,100	700	340	170	2,600	1,000	NP	9.60	0.00	99.34	89.74
07/14/98	19,000	2,100	400	890	5,800	1,600	NP	13.70	0.00	99.34	85.64
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	NP	15.25	0.00	99.34	84.09
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	NP	12.20	0.00	99.34	87.14
04/16/99	320	<0.3	<0.3	<0.3	<0.5	* 540 / 630	NP	12.20	0.00	99.34	87.14
07/14/99	290	<0.3	<0.3	<0.3	<0.5	*590 / 580	NP	13.75	0.00	99.34	85.59
10/07/99	130	<0.3	<0.3	<0.3	<0.5	270	NP	12.15	0.00	99.34	87.19
01/26/00	13,000	460	54	290	3,700	940	NP	13.14	0.00	99.34	86.20
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	NP	10.63	0.00	99.34	88.71
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	9.11	0.00	99.34	90.23
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	9.10	0.00	99.34	90.24
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.08	0.00	99.34	90.26
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	NP	10.60	0.00	99.34	88.74
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.07	0.00	99.34	90.27
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.23	0.00	99.34	84.11
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.17	0.00	99.34	84.17
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	16.71	0.00	99.34	82.63
10/30/02	<50	2.2	<0.14	<0.18	<0.26	13	NP	15.16	0.00	99.34	84.18
01/15/03	465 J	<0.14	<0.07	<0.08	<0.35	147	NP	16.70	0.00	99.34	82.64
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.16	0.00	99.34	84.18
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.64	0.00	99.34	85.70
10/08/03	761	11	<0.32	1.4 J	2.9 J	653	NP	15.50	0.00	99.34	83.84
01/15/04	853	<0.04	<0.02	<0.02	<0.06	*1,100 / 558	NP	14.20	0.00	99.34	85.14
04/14/04	494	<2.2	<3.2	<3.1	<4.0	843	NP	12.93	0.00	99.34	86.41
07/29/04	1,040	<2.2	<3.2	<3.1	<4.0	1,070	NP	14.73	0.00	99.34	84.61
10/14/04	3,250	266	<0.32	59	78	811	NP	15.26	0.00	99.34	84.08
01/06/05	197	<0.22	<0.32	<0.31	<0.4	406	NP	15.14	0.00	99.34	84.20
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.40	0.00	99.34	89.94
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.65	0.00	99.34	82.69

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	18.19	0.00	99.34	81.15
01/19/06	1,380	58	<0.10	62	113	33	NP	9.37	0.00	99.34	89.97
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
07/26/06	8,850	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
01/24/07	<5.6	<0.32	3.1 J	1.2 J	6.4	<0.63	NP	13.60	0.00	148.43	134.83
04/24/07	3,090	133	3.2 J	114	116	72	NP	15.61	0.00	148.43	132.82
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.67	0.00	148.43	133.76
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.26	0.00	148.43	134.17
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.60	0.00	148.43	132.83
04/29/08	<6.6	<0.18	1.4 J	<0.21	1.4 J	<0.19	NP	16.32	0.00	148.43	132.11
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.04	0.00	148.43	133.39
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.23	0.00	148.43	134.20
01/29/09	<6.6	<0.18	1.3 J	<0.21	<0.45	<0.19	NP	14.24	0.00	148.43	134.19
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.52	0.00	148.43	132.91
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.28	0.00	148.43	134.15
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.04	0.00	148.43	136.39
11/10/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	148.43	135.51
06/08/11	734	1.2	30	25	169	<0.19	NP	14.21	0.00	148.43	134.22
MONITORING WELL #MW-2			Screen Interval = 15 to 30 feet								
11/21/86	-	-	-	-	-	-	0.11	14.90	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	0.38	17.84	17.46	100.01	95.35
10/24/91	-	-	-	-	-	-	16.97	17.00	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	FILM	16.72	0.00	100.01	83.29
03/24/92	-	-	-	-	-	-	11.98	15.81	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	FILM	16.37	0.00	100.01	83.64
10/05/92	-	-	-	-	-	-	18.09	18.41	0.32	100.01	81.84
01/06/93	-	-	-	-	-	-	FILM	12.37	0.00	100.01	87.64
07/13/93	-	-	-	-	-	-	FILM	15.19	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	0.10	18.05	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	0.03	16.98	16.95	100.01	95.83
04/12/94	-	-	-	-	-	-	FILM	15.54	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	FILM	17.93	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	NP	17.20	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	NP	17.26	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.42	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	NP	10.25	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	17.20	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	16.20	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.18	16.26	0.08	100.01	83.81
	Well Abandoned 1/30/98										
MONITORING WELL #MW-3			Screen Interval = 15 to 30 feet		(GROUNDWATER SYSTEM'S PUMPING WELL)			Casing Diameter = 6 inches			
11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	SHEEN	25.80	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
01/06/93	-	-	-	-	-	-	NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52
10/11/93	-	-	-	-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	NP	25.10	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	NP	26.04	0.00	99.76	73.72
04/15/96	-	-	-	-	-	-	NP	21.03	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	21.43	0.00	99.76	78.33
01/13/97	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	NP	23.40	0.00	99.76	76.36
10/16/97	-	-	-	-	-	-	NP	22.30	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	NP	20.10	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	NP	14.40	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-		#N/A	-	-	-
01/20/99	-	-	-	-	-	-		#N/A	-	-	-
04/16/99	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	NP	25.87	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	NP	15.40	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	NP	14.25	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	NP	14.20	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	NP	15.12	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	NP	14.30	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	NP	13.46	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-		#N/A	-	-	-
07/16/01	-	-	-	-	-	-	NP	12.80	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	NP	15.30	0.00	99.76	84.46
01/23/02	-	-	-	-	-	-		#N/A	-	-	-
04/10/02	-	-	-	-	-	-	NP	13.22	0.00	99.76	86.54
07/24/02	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
10/30/02	-	-	-	-	-	-	NP	16.20	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	NP	14.10	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-		#N/A	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	NP	18.30	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	NP	16.65	0.00	99.76	83.11
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	NP	14.18	0.00	99.76	85.58
04/14/04	464	63	18	<0.31	16	189	NP	13.45	0.00	99.76	86.32
07/29/04	1,560	74	<3.2	30 J	<4.0	729	NP	15.94	0.00	99.76	83.82
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	NP	16.11	0.00	99.76	83.65
01/06/05	394	12	<0.32	1.5 J	<0.4	51	NP	15.61	0.00	99.76	84.15
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.19	0.00	99.76	90.57
07/27/05	383	5.6	<0.10	17	2.4 J	125	NP	16.63	0.00	99.76	83.13
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.97	0.00	99.76	82.79
01/19/06	2,050	93	2.2 J	103	55	273	NP	10.92	0.00	99.76	88.84
04/12/06	70	<0.32	<0.10	<0.24	<0.30	265	NP	12.55	0.00	99.76	87.21
07/26/06	228	<0.32	<0.10	<0.24	26	389	NP	14.94	0.00	99.76	84.82
10/25/06	87,100	26	4,880	2,390	18,500	<6.3	NP	17.49	0.00	99.76	82.27
01/24/07	4,770	1.5	98	86	604	<0.63	NP	13.40	0.00	148.94	135.54
04/24/07	15,700	42	<2.4	404	1,250	<1.9	NP	16.76	0.00	148.94	132.18
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.72	0.00	148.94	133.22
10/24/07	2,100	120	1.5 J	36	4.0 J	499	NP	15.43	0.00	148.94	133.51
01/23/08	59	<0.18	<0.24	<0.21	3.2 J	25	NP	15.43	0.00	148.94	133.51

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GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
04/29/08	1,770	34	273	60	361	11	NP	16.30	0.00	148.94	132.64
07/30/08	<6.6	<0.18	<0.24	<0.21	1.9 J	<0.19	NP	15.61	0.00	148.94	133.33
10/29/08	13,500	84	1,190	615	4,080	28	NP	15.42	0.00	148.94	133.52
01/29/09	2,510	81	449	67	448	<1.9	NP	15.40	0.00	148.94	133.54
05/06/09	119	<0.18	2.3 J	2.7 J	22	10	NP	15.26	0.00	148.94	133.68
12/14/09	17,400	118	970	362	2,670	<0.19	NP	15.45	0.00	148.94	133.49
05/19/10	133	<0.18	<0.24	<0.21	<0.45	5.2	NP	12.52	0.00	148.94	136.42
11/10/10	84	<0.18	<0.24	<0.21	2.6 J	51	NP	13.42	0.00	148.94	135.52
06/08/11	23,600	262	2,780	80 J	5,380	<3.8	NP	15.42	0.00	148.94	133.52
MONITORING WELL #MW-4				Screen Interval = 9 to 29 feet					Casing Diameter = 2 inches		
11/21/86	100,000	3,200	2,700	2,400	14,000	-	FILM	16.22	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.35	21.80	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	SHEEN	20.02	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	SHEEN	19.78	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	FILM	13.94	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	FILM	19.27	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	FILM	21.44	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	FILM	14.08	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	FILM	16.09	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	FILM	21.33	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	FILM	20.45	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	FILM	19.05	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	FILM	20.41	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	NP	19.89	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	NP	19.62	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.32	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	NP	10.80	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000		#N/A	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	NP	18.80	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	NP	17.76	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	NP	11.60	0.00	99.48	87.88
04/08/98	18,000	1,200	130	710	1,400	22,000	NP	10.10	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	NP	16.30	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	NP	16.90	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	NP	15.35	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	NP	15.30	0.00	100.48	85.18
07/14/99	8,500	<6.0	<6.0	<6.0	<10	*21,000 / 16,000	NP	18.40	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	NP	16.89	0.00	100.48	83.59
01/26/00	9,900	350	9.0	460	460	2,800	NP	12.62	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	NP	12.28	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	NP	13.81	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	NP	12.29	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	NP	12.26	0.00	100.48	88.22
01/10/01	<50	<0.18	2.0	<0.18	1.0	962	NP	10.75	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	NP	12.26	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	NP	13.80	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	NP	16.87	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7.0	8.0	1.0	1.0	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	NP	16.86	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	NP	10.69	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	135.14
04/24/07	1,840	25	<0.24	80	14	754	NP	16.67	0.00	148.88	132.21
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.44	0.00	148.88	133.44
10/24/07	106	13	<0.24	1.4 J	<0.45	44	NP	15.17	0.00	148.88	133.71
01/23/08	1,520	41	100	18	152	428	NP	16.57	0.00	148.88	132.31
04/29/08	4,340	76	498	138	817	<1.9	NP	17.58	0.00	148.88	131.30
07/30/08	1,280	28	105	26	150	<0.19	NP	16.54	0.00	148.88	132.34
10/29/08	31,500	130	1,870	926	5,510	<19	NP	15.14	0.00	148.88	133.74
01/29/09	184,000	1,620	30,600	5,250	24,000	<4.75	NP	15.15	0.00	148.88	133.73
02/16/09	42,900	525	5,570	<5.25	7,560	<4.75	NP	11.38	0.00	148.88	137.50
05/06/09	2,660	8.7	184	76	452	3.4	NP	16.53	0.00	148.88	132.35
12/14/09	65,600	384.0	3,610	1,290	9,340	<0.19	NP	15.21	0.00	148.88	133.67
05/19/10	1,870	50	<0.24	105	1.8 J	10	NP	12.40	0.00	148.88	136.48
11/10/10	469	<0.18	<0.24	1.1 J	15	96	NP	13.65	0.00	148.88	135.23
06/08/11	4,390	10	<1.2	<1.05	1,450	<0.95	NP	16.56	0.00	148.88	132.32
MONITORING WELL #MW-5				Screen Interval = 7 to 27 feet				Casing Diameter = 4 inches			
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	12.98	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	17.29	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	NP	18.92	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	NP	13.12	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	NP	16.15	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	NP	18.75	0.00	100.98	82.23
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	NP	17.80	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.59	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	NP	18.26	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1.0	-		#N/A	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000		#N/A	-	-	-

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.20	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.25	0.00	101.98	86.73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.96	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	16.33	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.80	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5.0	NP	10.97	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.43	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.02	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.04	0.00	101.98	87.94
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	NP	10.97	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	NP	14.80	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	NP	16.71	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.42	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.78	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.93	0.00	101.98	86.05
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	NP	15.55	0.00	101.98	86.43
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.55	0.00	101.98	86.43
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.93	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	16.35	0.00	101.98	85.63
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.06	0.00	101.98	86.92
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.96	0.00	101.98	88.02
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	NP	15.60	0.00	101.98	86.38
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	NP	16.17	0.00	101.98	85.81
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	NP	15.52	0.00	101.98	86.46
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	NP	10.12	0.00	101.98	91.86
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	NP	16.66	0.00	101.98	85.32
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	NP	16.66	0.00	101.98	85.32
01/19/06	66	<0.32	<0.10	<0.24	<0.30	5.9	NP	9.96	0.00	101.98	92.02
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29
07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02
01/24/07	60	<0.32	16	3.8 J	17	<0.63	NP	14.37	0.00	149.62	135.25
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.12	0.00	149.62	135.50
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	17.06	0.00	149.62	132.56
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.50	0.00	149.62	133.12
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.16	0.00	149.62	135.46
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.89	0.00	149.62	134.73
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.96	0.00	149.62	133.66
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15
01/29/09	<6.6	<0.18	1.9 J	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.09	0.00	149.62	135.53
12/14/09	131	2.4	14	2.6J	14	<0.19	NP	16.53	0.00	149.62	133.09
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.01	0.00	149.62	135.61
11/10/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.09	0.00	149.62	135.53
06/08/11	4,100	29	437	161	816	<0.19	NP	16.48	0.00	149.62	133.14

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GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
MONITORING WELL #MW-6			Screen Interval = 7 to 27 feet					Casing Diameter = 4 inches			
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-		#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-		#N/A	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5.0	NP	13.60	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5.0	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5.0	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5.0	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5.0	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
04/24/07	<5.6	<0.18	<0.24	<0.21	1.5 J	5.7	NP	10.63	0.00	148.38	137.75
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.04	0.00	148.38	135.34
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.53	0.00	148.38	135.85
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.70	0.00	148.38	137.68
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	11.43	0.00	148.38	136.95
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.36	0.00	148.38	135.02
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.51	0.00	148.38	135.87
01/29/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.50	0.00	148.38	135.88
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.63	0.00	148.38	137.75
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.55	0.00	148.38	135.83
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.56	0.00	148.38	137.82
11/10/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.12	0.00	148.38	138.26
06/08/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.50	0.00	148.38	135.88
MONITORING WELL #MW-7				Screen Interval = 8 to 18 feet				Casing Diameter = 2 inches			
03/05/07	3,110	16	<0.10	125	725	10	NP	10.84	0.00	148.20	137.36
04/24/07	15,500	42	<2.4	381	1,230	<1.9	NP	15.03	0.00	148.20	133.17
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.03	0.00	148.20	133.17
10/24/07	1,100	72	<0.24	18	1.6 J	221	NP	14.54	0.00	148.20	133.66
01/23/08	149	<0.18	14	4.4 J	25	<0.19	NP	15.00	0.00	148.20	133.20
04/29/08	978	<0.18	4.2 J	25	165	<0.19	NP	13.14	0.00	148.20	135.06
07/30/08	181	<0.18	<0.24	<0.21	22	<0.19	NP	15.13	0.00	148.20	133.07
10/29/08	13,200	108	987	400	2,550	<0.19	NP	14.52	0.00	148.20	133.68
01/29/09	11,100	176	1,360	374	2,380	<1.9	NP	14.51	0.00	148.20	133.69
05/06/09	15,400	241	1,110	342	1,660	<1.9	NP	12.33	0.00	148.20	135.87
12/14/09	39,900	271	3,240	1,420	8,890	<19.0	NP	12.42	0.00	148.20	135.78
05/19/10	3,360	18	88	64	379	12	NP	12.56	0.00	148.20	135.64
11/10/10	29,800	1.0	1.3 J	2,400	10,300	3.0	NP	13.43	0.00	148.20	134.77
06/08/11	14,000	138	1,580	521	2,880	<9.5	NP	14.52	0.00	148.20	133.68
MONITORING WELL #MW-8				Screen Interval = 8 to 18 feet				Casing Diameter = 2 inches			
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.37	0.00	147.31	134.94
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.42	0.00	147.31	133.89
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.40	0.00	147.31	134.91
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.73	0.00	147.31	131.58
07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	NP	13.50	0.00	147.31	133.81
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	147.31	134.39
01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	NP	12.89	0.00	147.31	134.42
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.93	0.00	147.31	132.38
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.95	0.00	147.31	134.36

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.14	0.00	147.31	132.17
11/10/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.36	0.00	147.31	134.95
06/08/11	<6.6	<0.18	2.2 J	<0.21	4.1 J	<0.19	NP	12.91	0.00	147.31	134.40

NOTE: Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007

^ Top of casing elevation estimated to be 6 inches below well rim

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

Benzene, toluene, ethlybenzene, and xylene analyzed by EPA method 8020/8021B.

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

Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020/8021B

On 10/8/03 & 7/14/2003, BTEX and MTBE analyzed by 8260B

Beginning 4/14/2004, BTEX and MTBE analyzed by 8260B

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
MONITORING WELL # MW-1						
10/16/97	<20	<20	<20	3,900		
01/07/98	<20	<20	92	<500		
04/03/98	<20	<20	65	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	15	487		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	27	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<2.9	<1.7	<2.8	121	-	-
10/25/06	<0.29	<0.17	2.4	11	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	54	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	<5.2	-	-
06/08/11	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-2						
10/16/97	<20	<20	<20	<500		
	Well Abandoned 1/30/98					
MONITORING WELL # MW-3(GROUNDWATER SYSTEM'S PUMPING WELL)						
10/16/97	-	-	-	-		
01/07/98	-	-	-	-		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	24	608		
10/08/03	<0.29	<0.17	30	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	24	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	3.9	167	<20	<20
04/12/06	<0.29	<0.17	2.5	17	<20	<20
07/26/06	<0.29	<0.17	3.2	205	-	-
10/25/06	<2.9	<1.7	<2.8	<100	-	-
01/24/07	<0.29	<0.17	<0.28	70	-	-
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1790	-	-
01/23/08	<0.20	<0.23	<0.19	38	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	81	-	-
01/29/09	<2.0	<2.3	<1.9	<52	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	158	-	-
06/08/11	<4.0	<4.6	<3.8	<104.0	-	-
MONITORING WELL # MW-4						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<2.9	<1.7	<2.8	1,340	<20	<20
01/19/06	<0.29	<0.17	<0.28	138	<20	<20
04/12/06	<0.29	<0.17	<0.28	163	<20	<20
07/26/06	<2.9	<1.7	16	836	-	-
10/25/06	<2.9	<1.7	18	1060	-	-
01/24/07	<0.29	<0.17	<0.28	139	-	-
04/24/07	<0.20	<0.23	11	776	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	62	-	-
01/23/08	<0.20	<0.23	7.3	1,520	-	-
04/29/08	<2.0	<2.3	<1.9	<100	-	-
07/30/08	<0.20	<0.23	<0.19	20	-	-
10/29/08	<20	<23	<19	<520	-	-
01/29/09	<5.0	<5.75	<4.75	<130	-	-
02/16/09	<5.0	<5.75	<4.75	<130	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
05/19/10	<0.20	<0.23	<0.19	50	-	-
11/10/10	<0.20	<0.23	6.1	739	-	-
06/08/11	<1.0	<1.15	<0.95	<26.0	-	-
MONITORING WELL # MW-5						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	23	-	-
06/08/11	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	2.4	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	<5.2	-	-
06/08/11	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-7						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1120	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<2.0	<2.3	<1.9	<52	-	-
05/06/09	<2.0	<2.3	<1.9	<52.0	-	-
12/14/09	<20.0	<23.0	<19.0	<520.0	-	-
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	<5.2	-	-
06/08/11	<10.0	<11.5	<9.5	<260.0	-	-
MONITORING WELL # MW-8						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
11/10/10	<0.20	<0.23	<0.19	<5.2	-	-
06/08/11	<0.20	<0.23	<0.19	<5.2	-	-

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
4/8/1991	1,669	0	-	-	<0.3	<0.3	<0.3	<0.9	-	1300	120	<7.5	1300
4/15/1991	5,742	4,073	582	-	<0.3	<0.3	<0.3	<0.3	-	700	140	<15	500
4/22/1991	10,240	8,571	643	-	<0.3	<0.3	<0.3	<0.9	-	850	100	34	860
4/29/1991	15,510	13,841	753	-	<0.3	<0.3	<0.3	<0.9	-	220	8.4	<0.3	42
5/6/1991	20,200	18,531	670	-	<0.3	<0.3	<0.3	<0.9	-	280	0.8	<0.3	56
5/13/1991	24,430	22,761	604	-	<0.3	<0.3	<0.3	<0.9	-	190	5.6	<0.3	37
5/20/1991	28,480	26,811	579	-	<0.3	<0.3	<0.3	<0.9	-	150	0.83	1.4	29
5/28/1991	29,310	27,641	104	-	<0.3	<0.3	<0.3	<0.9	-	<0.3	<0.3	<0.3	<0.9
6/3/1991	33,080	31,411	628	-	<0.3	<0.3	<0.3	<0.9	-	58	4	<0.3	33
6/10/1991	36,939	35,270	551	-	<0.3	<0.3	<0.3	<0.9	-	45	<0.3	<0.3	16
6/17/1991	40,673	39,004	533	-	<0.3	<0.3	<0.3	<0.9	-	69	4.9	0.9	21
6/24/1991	44,453	42,784	540	-	<0.3	<0.3	<0.3	<0.9	-	5.4	2	<0.3	6.6
7/1/1991	48,173	46,504	531	-	<0.5	<0.5	<1	<1	-	14	15	<1	9.1
7/8/1991	51,681	50,012	501	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	6.9
7/15/1991	55,186	53,517	501	-	<0.5	<0.5	<1	<1	-	<0.5	0.6	<1	6.3
7/22/1991	62,150	60,481	995	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	2.6
7/29/1991	62,150	60,481	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	1.2	19
8/5/1991	63,241	61,572	156	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	<1
8/12/1991	66,091	64,422	407	-	<0.5	<0.5	<1	<1	-	2.6	<0.5	<1	12
8/19/1991	67,649	65,980	223	-	<0.5	<0.5	<1	<1	-	20	3.3	2.8	70
8/26/1991	70,514	68,845	409	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	1.2	19
9/9/1991	70,564	68,895	4	-	<0.5	<0.5	<1	<1	-	270	10	13	69
9/16/1991	73,526	71,857	423	System shut down due to damaged compressor pump									
10/7/1991	73,526	71,857	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.8
10/14/1991	74,516	72,847	141	-	<0.5	<0.5	<1	<1	-	60	1.1	<1	23
10/21/1991	76,091	74,422	225	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	<1
10/28/1991	83,242	81,573	1,022	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	14
11/3/1991	83,242	81,573	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.1
11/11/1991	84,351	82,682	139	-	<0.5	<0.5	<1	<1	-	99	1.9	<1	14
11/18/1991	85,647	83,978	185	-	<0.5	<0.5	<1	<1	-	42	1	1	10
11/25/1991	89,512	87,843	552	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.9
12/3/1991	93,407	91,738	487	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.8
12/9/1991	96,210	94,541	467	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.2
12/16/1991	99,045	97,376	405	-	<0.5	<0.5	<0.5	<0.5	-	1.3	<0.5	<0.5	1.5
12/23/1991	102,334	100,665	470	-	<0.5	<0.5	<0.5	<0.5	-	1.7	<0.5	<0.5	2.4
12/30/1991	105,124	103,455	399	-	<0.5	<0.5	<0.5	<0.5	-	22.6	1.2	0.7	4.9
1/15/1992	115,691	114,022	660	-	<0.5	<0.5	<0.5	<0.5	-	130	11	<0.5	50
2/10/1992	124,846	123,177	352	-	<0.5	<0.5	<0.5	<0.5	-	20	0.51	<0.5	3.6
3/9/1992	149,965	148,296	897	<200	<0.5	<0.5	<0.5	<0.5	12,000	2,100	400	170	2,100
4/13/1992	168,567	166,898	531	<200	<0.5	<0.5	<0.5	<0.5	2,100	280	3.9	<2.5	98
5/11/1992	187,170	185,501	664	<200	<0.5	0.7	<0.5	<0.5	<200	<0.5	<0.5	<0.5	<0.5
6/8/1992	190,490	188,821	119	-	<0.5	<0.5	<0.5	<0.5	-	44	3.7	0.7	64
7/6/1992	197,080	195,411	235	-	-	-	-	-	-				
7/13/1992	197,890	196,221	116	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
7/13/1992	197,890	196,221	-	Sytem shut down for repair of electrical motor									
8/10/1992	197,890	196,221	-	Restart the system									
8/17/1992	201,300	199,631	487	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	<0.5	<1
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	<200	<0.5	<0.5	<0.5	<1
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1	-	1.1	0.5	<0.5	10
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<1	-	720	46	<10	1,700
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1	-	400	32	<25	520
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	9,000	1,400	330	260	1,200

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1	-	1,100	150	7.5	1,000
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1	7,200	1,100	100	25	780
04/26/93	271,290	269,621	-	System shut down fo repair									
07/15/93	272,577	270,908	16	Restart the system									
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	1.3	<0.5	<0.5	1.6
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	<0.5
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	430	41	36	480
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.									
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	7.7
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	170	1.5	<0.3	0.38	0.73
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	1,500	46	4.1	0.5	84
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	12,000	860	37	<13	1,600
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
01/10/95	742,072	481,445	339	-	-	-	-	-	-				
01/16/95	742,074	481,447	0	Sytem shut down for repair of compressor pump									
02/06/95	742,074	481,447	-	Restart the system									
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
03/13/95	758,930	498,303	531	<100	<0.5	<0.5	<0.5	<1	1,300	<0.5	<0.5	<0.5	<1
04/17/95	768,276	507,649	267	<100	<0.5	<0.5	<0.5	<1	6,200	410	73	97	280
05/15/95	780,716	520,089	444	<100	<0.5	<0.5	<0.5	<1	1,300	0.6	<0.5	<0.5	<1
06/12/95	784,514	523,887	136	<100	<0.5	<0.5	<0.5	<1	<100	<0.5	<0.5	<0.5	<1
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1	1,100	<0.5	<0.5	<0.5	<1
08/14/95	795,216	534,589	39	<100	<0.5	<0.5	<0.5	<1	170	<0.5	<0.5	<0.5	<1
09/06/95	797,631	537,004	105	<100	<0.5	<0.5	<0.5	<1	1,320	<0.5	<0.5	<0.5	<1
10/17/95	800,316	539,689	65	<100	<0.5	<0.5	<0.5	<1	2,400	26	2.7	3.9	46
11/20/95	806,264	545,637	175	150	<0.3	<0.3	<0.3	<0.5	450	0.31	<0.3	<0.3	<0.5
12/11/95	809,236	548,609	142	300	<0.3	<0.3	<0.3	0.59	470	<0.3	<0.3	<0.3	<0.5
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0.5	900	0.39	<0.3	<0.3	<0.5
02/19/96	848,213	587,586	728	800	<0.3	0.57	<0.3	0.83	1700	23	3.7	<0.3	80
03/19/96	849,587	588,960	47	930	<0.3	<0.3	<0.3	<0.5	1,600	5.5	1.4	<0.3	94
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0.5	1,100	0.43	<0.3	<0.3	<0.5
05/13/96	890,214	629,587	1,363	840	<0.3	<0.3	<0.3	<0.5	910	<0.3	<0.3	<0.3	<0.5
05/13/96	890,214	629,587	-	System shut down for carbon change									
06/14/96	890,214	629,587	-	Restart the system									
06/18/96	890,818	630,191	151	<50	<0.3	<0.3	<0.3	<0.5	1,000	92	8.7	3.4	55
07/01/96	892,781	632,154	151	-	-	-	-	-	-				
07/08/96	894,210	633,583	204	System shut down due to burglary and damaged air compressor									
08/05/96	894,210	633,583	-	Restart the system									
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5	3,500	160	110	220	650
09/23/96	899,410	638,783	78	<50	<0.3	<0.3	<0.3	<0.5	<50	0.49	<0.3	<0.3	<0.5
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	730	1.7	0.42	2.1	2.5
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	81	<0.3	<0.3	<0.3	<0.5

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0.3	<0.5	13,000	590	250	180	850
02/10/97	912,610	651,983	285	82	<0.3	0.38	<0.3	<0.5	700	0.92	0.75	<0.3	4.1
03/10/97	921,020	660,393	300	<50	<0.3	<0.3	<0.3	<0.5	600	<0.3	<0.3	<0.3	<0.5
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5	4,400	<0.3	<0.3	<0.3	<0.5
05/12/97	941,028	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	5,600	7.3	0.32	<0.3	17
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	1,500	3.4	<0.3	<0.3	26
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor						-	-	-	-
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	<0.5	550	<0.3	<0.3	<0.3	<0.5
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	65,000	690	8,400	3,100	20,000
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-
02/09/98		736,247	-	System shut down due to the UST replacement and station remodeling									
02/17/98		736,247	-	<50	<0.3	<0.3	<0.3	<0.5	35,000	150	<15	<15	8,900
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)									
4/13 - 6/1/98	-	736,247	-	System was undergoing several maintenance / piping / hose replacement									
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	3,500	14	0.56	<0.3	26
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0.5	2,200	21	4	<0.3	100
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-
11/20/98	-	746,199	-	System shut down for flowmeter replacement									
12/01/98	0.0	746,199	-	Restart the system with flowmeter at 000									
12/31/98	5,340.0	751,539	178	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down					-	-	-	-	-
1/11 - 2/1/99	-	761,219	-	System was undergoing maintenance for the compressor									
01/20/99	-	761,219	-	<50	<0.3	<0.3	<0.3	<0.5	110	0.43	0.42	<0.3	<0.5
02/01/99	15,600.0	761,799	28	Restart system									
02/12/99	22,840.0	769,039	658	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement									
03/26/99	22,840.0	769,039	-	Restart the system									
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
05/11/99	36,010.0	782,209	256	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000.0	792,199	714	System shut down due to carbon canister leaking									
09/02/99	46,000.0	792,199	-	Restart system									
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	65	<0.3	<0.3	<0.3	<0.5
10/21/99	47,278.0	793,477	34	System shut down for carbon change									
11/24/99	47,283.0	793,482	0	Restart system									
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	<50	1.3	<0.25	<0.25	<0.5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	923	<0.6	2	85	80

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	3,820	<0.3	<0.3	<0.3	<0.6
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<50	<0.3	<0.3	<0.3	<0.6
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem restarted on 10/25/00 after QWS									
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	17,100	111	121	141	972
10/27/00	2,160	848,059	1,080	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560	862,459	435	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	10,000	384	223	<0.18	1,330
02/19/01	99,640	945,539	1,128	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	4,040	191	4	42	38
04/13/01	169,210	1,015,109	540	Shut down system for replacement of carbon drums									
04/18/01	169,210	1,015,109	-	Restart system									
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	1,400	<0.18	<0.14	<0.18	<0.26
05/02/01	186,800	1,032,699	1,073	Shut down system for carbon change									
05/18/01	186,900	1,032,799	6	Restart system									
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	3,100	15	<0.14	1	2
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	860	<50	<0.18	<0.14	<0.18	<0.26	748	15	<0.14	2	2.7
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	956	1.2	<0.14	<0.18	<0.26
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	232	1	1	<0.18	<0.26
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	105	<0.18	<0.14	<0.18	<0.26
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-
05/06/02	895,920	1,741,819	1	System off; Restart					-	-	-	-	-
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,839,639	-	-	<0.5	< 0.7	< 0.8	< 3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results (sample collected by us)				
06/24/02	1,001,590	1,847,489	374	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	4,710	1	1.2	<0.18	2
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change					-	-	-	-	-
08/16/02	1,052,820	1,898,719	-	Restart									
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)				
09/30/02	1,110,180	1,956,079	377	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	128	<0.18	<0.14	<0.18	<0.26
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	9,860	<1.4	29	14	2,420
01/13/03	1,189,320	2,035,219	959	Shut down for QWS									

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
01/15/03	1,189,320	2,035,219	-	Restart									
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off	-	-	-	-	-	-	-	-	-
03/28/03	1,257,710	2,103,609	-	Restart	-	-	-	-	-	-	-	-	-
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	14,000	20	20	2.2	14
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS									
04/16/03	1,294,080	2,139,979	10	Restart	-	-	-	-	-	-	-	-	-
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-
04/28/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change			-	-	-	-	-	-	-
05/07/03	1,302,710	2,148,609	-	Restart	-	-	-	-	-	-	-	-	-
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2,164,359	2,176	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS		-	-	-	-	-	-	-	-
07/15/03	1,369,730	2,215,629	-	Restart	-	-	-	-	-	-	-	-	-
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	7,710	<0.04	<0.02	<0.02	<0.06
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change			-	-	-	-	-	-	-
08/29/03	1,411,560	2,257,459	3	Restart	-	-	-	-	-	-	-	-	-
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer									
09/26/03	1,429,700	2,275,599	-	Restart									
09/29/03	1,430,560	2,276,459	287										
10/06/03	1,431,140	2,277,039	83	System shut down for QWS									
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	-	-	-	-
10/10/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	16,200	<0.04	4.4	4.8	46
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	-	-	-	-
10/22/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results (sample collected by us)				
10/27/03	1,435,610	2,281,509	204	-	-	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-	-	-	-
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	-
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-	-
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-	-	-	-	-	-
12/17/03	1,462,410	2,308,309	511	-	-	-	-	-	-	-	-	-	-
12/26/03	1,468,630	2,314,529	691	-	-	-	-	-	-	-	-	-	-
12/31/03	1,469,710	2,315,609	216	-	-	-	-	-	-	-	-	-	-
01/06/04	1,472,000	2,317,899	382	<15	<0.04	<0.02	<0.02	<0.06	7,900	658	1,560	62	1,090
01/14/04	1,474,650	2,320,549	331	System shut down for QWS; Restarted 1/15/04					-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
01/28/04	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results (sample collected by us)				
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-	-
02/10/04	1,494,550	2,340,449	368	-	-	-	-	-	-	-	-	-	-
02/20/04	1,498,790	2,344,689	424	-	-	-	-	-	-	-	-	-	-
02/25/04	1,499,360	2,345,259	114	-	-	-	-	-	-	-	-	-	-
03/03/04	1,514,700	2,360,599	2,191	-	-	-	-	-	-	-	-	-	-
03/09/04	1,517,300	2,363,199	433	-	-	-	-	-	-	-	-	-	-
03/17/04	1,519,100	2,364,999	225	-	-	-	-	-	-	-	-	-	-
03/24/04	1,524,600	2,370,499	786	-	-	-	-	-	-	-	-	-	-
04/01/04	1,529,300	2,375,199	588	-	-	-	-	-	-	-	-	-	-
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	1,380	113	93	16	76
04/14/04	1,533,000	2,378,899	257	System shut down for QWS on 4/7; Restarted 4/14					-	-	-	-	-
04/22/04	1,576,400	2,422,299	5,425	-	-	-	-	-	-	-	-	-	-
04/28/04	1,623,500	2,469,399	7,850	-	-	-	-	-	-	-	-	-	-
05/06/04	1,668,920	2,514,819	5,678	-	-	-	-	-	-	-	-	-	-
05/13/04	1,691,100	2,536,999	3,169	-	-	-	-	-	-	-	-	-	-
05/20/04	1,726,500	2,572,399	5,057	-	-	-	-	-	-	-	-	-	-
05/28/04	1,748,910	2,594,809	2,801	-	-	-	-	-	-	-	-	-	-
06/04/04	1,749,320	2,595,219	59	Found system off; for replacement of on and off switch					-	-	-	-	-
06/11/04	1,749,320	2,595,219	-	Restarted					-	-	-	-	-
06/16/04	1,751,910	2,597,809	518	-	-	-	-	-	-	-	-	-	-
06/22/04	1,753,550	2,599,449	273	-	-	-	-	-	-	-	-	-	-
07/02/04	1,756,530	2,602,429	298	-	-	-	-	-	-	-	-	-	-
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	652	31	<0.32	<0.31	2.1J
07/15/04	1,759,260	2,605,159	21	-	-	-	-	-	-	-	-	-	-
07/22/04	1,760,630	2,606,529	196	-	-	-	-	-	-	-	-	-	-
07/28/04	1,762,810	2,608,709	363	Shut down system for carbon change					-	-	-	-	-
08/05/04	1,762,810	2,608,709	-	Restarted					-	-	-	-	-
08/12/04	1,765,370	2,611,269	366	-	-	-	-	-	-	-	-	-	-
08/20/04	1,767,950	2,613,849	323	-	-	-	-	-	-	-	-	-	-
08/27/04	1,771,100	2,616,999	450	-	-	-	-	-	-	-	-	-	-
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-	-	-	-	-	-
09/07/04	1,777,590	2,623,489	960	-	-	-	-	-	-	-	-	-	-
09/10/04	1,778,460	2,624,359	290	Shut down system due to operator vacation					-	-	-	-	-
09/29/04	1,778,460	2,624,359	-	Restarted					-	-	-	-	-
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<15	<0.22	<0.32	<0.31	<0.4
10/12/04	1,782,540	2,628,439	547	Shut down system for QWS									
10/21/04	1,782,680	2,628,579	16	Restarted									
10/27/04	1,784,630	2,630,529	325	-	-	-	-	-	-	-	-	-	-
11/03/04	1,784,680	2,630,579	7	-	-	-	-	-	-	-	-	-	-
11/11/04	1,787,490	2,633,389	351	-	-	-	-	-	-	-	-	-	-
11/19/04	1,789,350	2,635,249	233	-	-	-	-	-	-	-	-	-	-
12/01/04	1,789,800	2,635,699	38	-	-	-	-	-	-	-	-	-	-
12/10/04	1,792,780	2,638,679	331	-	-	-	-	-	-	-	-	-	-
12/15/04	1,795,460	2,641,359	536	-	-	-	-	-	-	-	-	-	-
12/22/04	1,798,000	2,643,899	363	-	-	-	-	-	-	-	-	-	-
12/29/04	1,800,580	2,646,479	369	-	-	-	-	-	-	-	-	-	-
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0.31	<0.4	291	9.1	<0.32	1.2 J	<0.4
01/13/05	1,803,290	2,649,189	19	System turned off for QWS on 1/5/05; Restarted on 1/13/05					-	-	-	-	-
01/20/05	1,804,020	2,649,919	104	Shut down system for repair and upgrade					-	-	-	-	-
04/30/05	1,804,020	2,649,919	-	System still off pending repairs and upgrade					-	-	-	-	-
05/10/05	1,804,020	2,649,919	-	Restarted system with MW-3 only					-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
05/20/05	1,805,010	2,650,909	99	Added MW-4 to the system					-	-	-	-	-
05/26/05	1,807,630	2,653,529	437	-	-	-	-	-	-	-	-	-	-
06/03/05	1,812,100	2,657,999	559	-	-	-	-	-	-	-	-	-	-
06/10/05	1,816,540	2,662,439	634	-	-	-	-	-	-	-	-	-	-
06/17/05	1,819,870	2,665,769	476	Compressor needs repair		-	-	-	-	-	-	-	-
06/24/05	1,823,140	2,669,039	467	Replace with new pump MW-3		-	-	-	-	-	-	-	-
06/29/05	1,827,540	2,673,439	880	-	-	-	-	-	-	-	-	-	-
07/08/05	1,829,830	2,675,729	254	-	-	-	-	-	-	-	-	-	-
07/14/05	1,829,970	2,675,869	23	<2.9	<0.17	<0.22	<0.14	<0.38	4,270	130	3.6 J	348	188
07/22/05	1,832,760	2,678,659	349	-	-	-	-	-	-	-	-	-	-
07/26/05	1,833,920	2,679,819	290	Shut down system for QWS		-	-	-	-	-	-	-	-
08/05/05	1,833,970	2,679,869	5	Restart sytem after QWS		-	-	-	-	-	-	-	-
08/09/05	1,836,930	2,682,829	740	-	-	-	-	-	-	-	-	-	-
08/19/05	1,837,560	2,683,459	63	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling				
08/25/05	1,837,920	2,683,819	60	Shut down system for carbon change			-	-	-	-	-	-	-
09/01/05	1,837,980	2,683,879	9	Restarted	-	-	-	-	-	-	-	-	-
09/09/05	1,838,530	2,684,429	69	-	-	-	-	-	-	-	-	-	-
09/16/05	1,841,230	2,687,129	386	-	-	-	-	-	-	-	-	-	-
09/23/05	1,843,410	2,689,309	311	-	-	-	-	-	-	-	-	-	-
09/30/05	1,844,820	2,690,719	201	-	-	-	-	-	-	-	-	-	-
10/06/05	1,845,250	2,691,149	72	<2.9	<0.10	<0.15	<0.06	<0.40	2,410	<3.2	<1.0	28 J	<3.0
10/11/05	1,846,030	2,691,929	156	System turned off for QWS on 10/11/05; Restarted on 10/14/05					-	-	-	-	-
10/14/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
10/14/05	1,846,590	2,692,489	187	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling				-
10/21/05	1,847,810	2,693,709	174	-	-	-	-	-	-	-	-	-	-
11/02/05	1,849,720	2,695,619	159	-	-	-	-	-	-	-	-	-	-
11/08/05	-	-	-	-	<0.05	0.62	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
11/10/05	1,850,760	2,696,659	130	-	-	-	-	-	-	-	-	-	-
11/17/05	1,851,420	2,697,319	94	-	-	-	-	-	-	-	-	-	-
11/23/05	1,854,560	2,700,459	523	-	-	-	-	-	-	-	-	-	-
11/30/05	1,856,650	2,702,549	299	-	-	-	-	-	-	-	-	-	-
12/09/05	1,858,340	2,704,239	188	-	-	-	-	-	-	-	-	-	-
12/15/05	1,859,780	2,705,679	240	-	-	-	-	-	-	-	-	-	-
12/22/05	1,860,420	2,706,319	91	-	-	-	-	-	-	-	-	-	-
12/30/05	1,862,470	2,708,369	256	-	-	-	-	-	-	-	-	-	-
01/06/06	1,866,760	2,712,659	613	-	-	-	-	-	-	-	-	-	-
01/11/06	1,867,740	2,713,639	196	698	<0.32	<0.10	<0.24	<0.30	6,120	210	<0.10	419	130
01/18/06	1,870,240	2,716,139	357	Shut down system for QWS and carbon change				-	-	-	-	-	-
01/27/06	1,870,280	2,716,179	4	Restarted after QWS and carbon change			-	-	-	-	-	-	-
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
02/01/06	1,870,530	2,716,429	50	-	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling				-
02/10/06	1,877,370	2,723,269	760	-	-	-	-	-	-	-	-	-	-
02/17/06	1,879,230	2,725,129	266	-	-	-	-	-	-	-	-	-	-
02/24/06	1,880,710	2,726,609	211	-	-	-	-	-	-	-	-	-	-
03/01/06	1,882,270	2,728,169	312	-	-	-	-	-	-	-	-	-	-
03/10/06	1,889,370	2,735,269	789	-	-	-	-	-	-	-	-	-	-
03/17/06	1,889,660	2,735,559	41	-	-	-	-	-	-	-	-	-	-
03/21/06	1,890,930	2,736,829	318	-	-	-	-	-	-	-	-	-	-
03/29/06	1,891,880	2,737,779	119	-	-	-	-	-	-	-	-	-	-
04/05/06	1,893,340	2,739,239	209	<5.6	<0.32	<0.10	<0.24	<0.30	1,520	72	<0.10	199	28
04/11/06	1,895,480	2,741,379	357	-	-	-	-	-	-	-	-	-	-
04/11/06		2,741,379	-	Shut down system for QWS		-	-	-	-	-	-	-	-
04/14/06	1,895,490	2,741,389	3	Restart sytem after QWS		-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
04/21/06	1,897,130	2,743,029	234	-	-	-	-	-	-	-	-	-	-
04/26/06	1,898,330	2,744,229	240	-	-	-	-	-	-	-	-	-	-
05/03/06	1,900,240	2,746,139	273	-	-	-	-	-	-	-	-	-	-
05/12/06	1,903,700	2,749,599	384	-	-	-	-	-	-	-	-	-	-
05/19/06	1,905,570	2,751,469	267	-	-	-	-	-	-	-	-	-	-
05/23/06	1,907,810	2,753,709	560	<5.6	<0.32	<0.10	<0.24	<0.30	683,000	3,600	135,000	25,100	165,000
05/26/06	1,909,780	2,755,679	657	-	-	-	-	-	-	-	-	-	-
06/02/06	1,911,010	2,756,909	176	-	-	-	-	-	-	-	-	-	-
06/09/06	1,912,670	2,758,569	237	-	-	-	-	-	77,300	668	19,300	1,660	8,800
06/16/06	1,914,330	2,760,229	237	-	-	-	-	-	-	-	-	-	-
06/23/06	1,917,210	2,763,109	411	-	-	-	-	-	-	-	-	-	-
06/27/06	1,919,740	2,765,639	633	-	-	-	-	-	-	-	-	-	-
07/06/06	1,921,470	2,767,369	192	3,730	44	874	26	503	4,450	8.6 J	99	34 J	149
07/14/06	1,921,980	2,767,879	64	-	-	-	-	-	-	-	-	-	-
07/18/06	1,922,070	2,767,969	23	Shut down system for carbon change			-	-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	System restarted after carbon change									
08/04/06	1,922,090	2,767,989	1	<5.6	<0.32	<0.10	<0.24	<0.30	763	<0.32	<0.10	<0.24	<0.30
08/18/06	1,928,690	2,774,589	471	-	-	-	-	-	-	-	-	-	-
08/25/06	1,929,580	2,775,479	127	-	-	-	-	-	-	-	-	-	-
09/01/06	1,932,440	2,778,339	409	-	-	-	-	-	-	-	-	-	-
09/08/06	1,936,240	2,782,139	543	-	-	-	-	-	-	-	-	-	-
09/14/06	1,938,420	2,784,319	363	-	-	-	-	-	-	-	-	-	-
09/20/06	1,939,710	2,785,609	215	-	-	-	-	-	-	-	-	-	-
10/04/06	1,942,100	2,787,999	171	<5.6	<0.32	<0.10	<0.24	1.1 J	14,400	78	1,110	440	1,440
10/13/06	1,945,320	2,791,219	358	-	-	-	-	-	-	-	-	-	-
10/19/06	1,947,230	2,793,129	318	-	-	-	-	-	-	-	-	-	-
10/24/06	1,948,670	2,794,569	288	Shut down system for QWS		-	-	-	-	-	-	-	-
10/27/06	1,948,670	2,794,569	-	Restart sytem after QWS		-	-	-	-	-	-	-	-
11/01/06	1,949,120	2,795,019	90	-	-	-	-	-	-	-	-	-	-
11/09/06	1,951,030	2,796,929	239	-	-	-	-	-	-	-	-	-	-
11/16/06	1,951,817	2,797,716	112	-	-	-	-	-	-	-	-	-	-
11/22/06	1,952,010	2,797,909	32	-	-	-	-	-	-	-	-	-	-
11/30/06	1,956,730	2,802,629	590	Shut down system for maintenance		-	-	-	-	-	-	-	-
12/01/06	1,956,730	2,802,629	-	Restarted system		-	-	-	-	-	-	-	-
12/07/06	1,958,510	2,804,409	297	-	-	-	-	-	-	-	-	-	-
12/12/06	1,959,720	2,805,619	242	Shut down system due to operator vacation			-	-	-	-	-	-	-
01/03/07	1,959,230	2,805,129	(22)	Restarted system		-	-	-	-	-	-	-	-
01/05/07	1,959,670	2,805,569	220										
01/11/07	1,961,280	2,807,179	268										
01/18/07	1,963,200	2,809,099	274	System shut down for QWS		-	-	-	-	-	-	-	-
01/24/07	1,963,200	2,809,099	-	<5.6	<0.17	<0.22	<0.14	<0.38	8,920	<1.6	115	91	612
01/25/07	1,963,860	2,809,759	660	-	-	-	-	-	-	-	-	-	-
02/02/07	1,967,120	2,813,019	408	-	-	-	-	-	-	-	-	-	-
02/06/07	1,969,320	2,815,219	550	-	-	-	-	-	-	-	-	-	-
02/16/07	1,971,040	2,816,939	172	-	-	-	-	-	-	-	-	-	-
02/19/07	1,971,760	2,817,659	240	-	-	-	-	-	-	-	-	-	-
02/28/07	1,978,320	2,824,219	729	-	-	-	-	-	-	-	-	-	-
03/16/07	1,983,620	2,829,519	331	-	-	-	-	-	-	-	-	-	-
03/23/07	1,985,120	2,831,019	214	-	-	-	-	-	-	-	-	-	-
03/30/07	1,987,330	2,833,229	316	-	-	-	-	-	-	-	-	-	-
04/05/07	1,989,120	2,835,019	298	-	-	-	-	-	-	-	-	-	-
04/12/07	1,991,300	2,837,199	311	<5.6	<0.17	<0.22	<0.14	<0.38	6,640	43	916	296	1,810
04/20/07	1,992,720	2,838,619	178	Shut down system for QWS									

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Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
04/27/07	1,992,730	2,838,629	1	Restart sytem after QWS									
05/03/07	1,994,500	2,840,399	295	-	-	-	-	-	-	-	-	-	-
05/10/07	2,002,410	2,848,309	1,130	-	-	-	-	-	-	-	-	-	-
05/17/07	2,004,320	2,850,219	273	-	-	-	-	-	-	-	-	-	-
05/25/07	2,004,810	2,850,709	61	-	-	-	-	-	-	-	-	-	-
06/01/07	2,005,210	2,851,109	57	-	-	-	-	-	-	-	-	-	-
06/14/07	2,006,540	2,852,439	102	-	-	-	-	-	-	-	-	-	-
06/19/07	2,008,320	2,854,219	356	-	-	-	-	-	-	-	-	-	-
06/21/07	2,008,740	2,854,639	210	-	-	-	-	-	15,800	186	1,890	410	2,060
06/29/07	2,016,480	2,862,379	968	-	-	-	-	-	-	-	-	-	-
07/06/07	2,014,260	2,864,599	317	-	-	-	-	-	-	-	-	-	-
07/13/07	2,013,420	2,865,439	120	-	-	-	-	-	-	-	-	-	-
07/20/07	2,015,230	2,867,249	259	-	-	-	-	-	-	-	-	-	-
07/24/07	2,015,620	2,867,639	98	Shut down system for QWS		-	-	-	-	-	-	-	-
07/27/07	2,015,670	2,867,689	17	Restart sytem after QWS		-	-	-	-	-	-	-	-
08/03/07	2,016,310	2,868,329	91	-	-	-	-	-	-	-	-	-	-
08/10/07	2,017,430	2,869,449	160	-	-	-	-	-	-	-	-	-	-
08/17/07	2,017,960	2,869,979	76	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-
08/24/07	2,018,100	2,870,119	20	-	-	-	-	-	-	-	-	-	-
08/31/07	2,018,210	2,870,229	16	-	-	-	-	-	-	-	-	-	-
09/07/07	2,018,630	2,870,649	60	Shut down system for repairs		-	-	-	-	-	-	-	-
09/14/07	2,019,810	2,871,829	169	Restart system	-	-	-	-	-	-	-	-	-
09/21/07	2,027,200	2,879,219	1,056	-	-	-	-	-	-	-	-	-	-
09/28/07	2,031,500	2,883,519	614	-	-	-	-	-	-	-	-	-	-
10/05/07	2,038,620	2,890,639	1,017	-	-	-	-	-	-	-	-	-	-
10/12/07	2,042,100	2,894,119	497	-	-	-	-	-	-	-	-	-	-
10/19/07	2,049,120	2,901,139	1,003	-	-	-	-	-	-	-	-	-	-
10/23/07	2,051,240	2,903,259	530	Shut down system for QWS		-	-	-	-	-	-	-	-
10/26/07	2,053,410	2,905,429	723	Restart sytem after QWS		-	-	-	-	-	-	-	-
11/06/07	2,064,180	2,916,199	979	<5.6	<0.15	<0.12	<0.09	<0.26	Split-sample results during EBMUD inspection & sampling				-
11/20/07	2,075,400	2,927,419	801	<5.6	<0.15	<0.12	<0.09	<0.26	2,240	84	<0.24	46	5.7
11/30/07	2,082,110	2,934,129	671	-	-	-	-	-	-	-	-	-	-
12/14/07	2,086,930	2,938,949	344	-	-	-	-	-	3,980	102	869	229	1400
12/21/07	2,091,340	2,943,359	630	-	-	-	-	-	-	-	-	-	-
12/28/07	2,094,210	2,946,229	410	-	-	-	-	-	-	-	-	-	-
01/04/08	2,097,490	2,949,509	469	-	-	-	-	-	-	-	-	-	-
01/11/08	2,106,370	2,958,389	1,269	Shut down system for QWS					-	-	-	-	-
01/15/08	-	-	-	<5.6	<0.15	<0.12	<0.09	<0.26	804	54	3.2 J	45	11
01/25/08	2,109,820	2,961,839	246	Restart sytem after QWS					-	-	-	-	-
02/01/08	2,119,680	2,971,699	1,409	-	-	-	-	-	-	-	-	-	-
02/08/08	2,129,200	2,981,219	1,360	-	-	-	-	-	97,800	183	16,900	3,510	20,400
02/15/08	2,138,190	2,990,209	1,284	-	-	-	-	-	-	-	-	-	-
02/22/08	2,139,640	2,991,659	207	-	-	-	-	-	-	-	-	-	-
02/29/08	2,143,260	2,995,279	517	-	-	-	-	-	-	-	-	-	-
03/05/08	2,148,020	3,000,039	952	-	-	-	-	-	-	-	-	-	-
03/14/08	2,163,950	3,015,969	1,770	-	-	-	-	-	6,160	36	1,070	18	1,290
03/26/08	2,164,230	3,016,249	23	-	-	-	-	-	-	-	-	-	-
03/27/08	2,165,320	3,017,339	1,090	-	-	-	-	-	-	-	-	-	-
04/23/08	2,165,360	3,017,379	1.5	<6.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-
05/02/08	2,174,340	3,026,359	998	-	-	-	-	-	-	-	-	-	-
05/09/08	2,186,620	3,038,639	1,754	-	-	-	-	-	-	-	-	-	-
05/16/08	2,196,620	3,048,639	1,429	-	-	-	-	-	-	-	-	-	-
05/23/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-

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Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/05/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-
06/10/08	2,198,960	3,050,979	468	-	-	-	-	-	-	-	-	-	-
06/20/08	2,205,410	3,057,429	645	-	-	-	-	-	-	-	-	-	-
06/25/08	2,213,010	3,065,029	1,520	-	-	-	-	-	26,600	54	721	629	4,320
07/03/08	2,221,620	3,073,639	1,076	-	-	-	-	-	-	-	-	-	-
07/09/08	2,230,580	3,082,599	1,493	<6.6	<0.18	<0.24	<0.21	<0.45	6,220	103	655	188	1,040
07/18/08	2,231,140	3,083,159	62	-	-	-	-	-	-	-	-	-	-
07/25/08	2,237,110	3,089,129	853	-	-	-	-	-	-	-	-	-	-
08/04/08	2,237,120	3,089,139	1.0	-	-	-	-	-	-	-	-	-	-
08/08/08	2,240,350	3,092,369	808	-	-	-	-	-	9,480	65	1,080	375	2,120
08/20/08	2,249,810	3,101,829	788	-	-	-	-	-	-	-	-	-	-
08/24/08	2,255,420	3,107,439	1,403	-	-	-	-	-	-	-	-	-	-
09/04/08	2,261,960	3,113,979	595	-	-	-	-	-	-	-	-	-	-
09/11/08	2,264,120	3,116,139	309	-	-	-	-	-	-	-	-	-	-
09/18/08	2,270,870	3,122,889	964	-	-	-	-	-	-	-	-	-	-
09/24/08	-	-	-	-	<0.51	<0.51	<0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by-EBMUD inspector)				
09/24/08	2,270,960	3,122,979	15	<6.6	<0.18	<0.24	<0.21	<0.45	Split-sample results during EBMUD inspection & sampling				-
09/26/08	2,272,540	3,124,559	790	-	-	-	-	-	-	-	-	-	-
10/03/08	2,280,060	3,132,079	1,074	-	-	-	-	-	-	-	-	-	-
10/08/08	2,286,630	3,138,649	1,314	-	-	-	-	-	-	-	-	-	-
10/16/08	2,294,110	3,146,129	935	-	-	-	-	-	-	-	-	-	-
10/28/08	2,307,750	3,159,769	1,137	-	-	-	-	-	8,490	100	1,130	308	1,680
11/07/08	2,316,370	3,168,389	862	-	-	-	-	-	-	-	-	-	-
11/14/08	2,322,890	3,174,909	931	-	-	-	-	-	-	-	-	-	-
11/21/08	2,330,420	3,182,439	1,076	-	-	-	-	-	-	-	-	-	-
11/26/08	2,337,570	3,189,589	1,430	-	-	-	-	-	-	-	-	-	-
12/05/08	2,344,350	3,196,369	753	-	-	-	-	-	-	-	-	-	-
12/10/08	2,351,080	3,203,099	1,346	-	-	-	-	-	-	-	-	-	-
12/18/08	2,358,770	3,210,789	961	-	-	-	-	-	-	-	-	-	-
12/19/08	2,358,920	3,210,939	150	-	-	-	-	-	-	-	-	-	-
12/23/08	2,366,510	3,218,529	1,898	<6.6	<0.18	<0.24	<0.21	<0.45	8,230	60	1,730	279	1,720
01/06/09	2,382,280	3,234,299	1,126	-	-	-	-	-	-	-	-	-	-
01/07/09	2,382,410	3,234,429	130	-	-	-	-	-	-	-	-	-	-
01/12/09	2,391,510	3,243,529	1,820	-	-	-	-	-	-	-	-	-	-
01/19/09	2,398,100	3,250,119	941	-	-	-	-	-	-	-	-	-	-
01/28/09	2,408,760	3,260,779	1,184	Shut down system for QWS					-	-	-	-	-
01/30/09	2,408,790	3,260,809	15	Restart system after QWS					-	-	-	-	-
02/04/09	2,415,390	3,267,409	1,320	-	-	-	-	-	-	-	-	-	-
02/11/09	2,424,020	3,276,039	1,233	-	-	-	-	-	-	-	-	-	-
02/13/09	2,424,210	3,276,229	95	System found off because of power failure, left system off for resampling of MW-4					-	-	-	-	-
02/24/09	2,424,210	3,276,229	-	Restart system after resampling of MW-4			-	-	-	-	-	-	-
03/03/09	2,424,510	3,276,529	43	-	-	-	-	-	-	-	-	-	-
03/08/09	2,425,820	3,277,839	262	-	-	-	-	-	-	-	-	-	-
03/11/09	2,426,810	3,278,829	330	-	-	-	-	-	-	-	-	-	-
03/18/09	2,427,010	3,279,029	29	Found system off. Air Compressor switch tripped					-	-	-	-	-
03/25/09	2,427,640	3,279,659	90	-	-	-	-	-	-	-	-	-	-
03/30/09	2,428,090	3,280,109	90	-	-	-	-	-	-	-	-	-	-
04/13/09	2,429,710	3,281,729	116	-	-	-	-	-	-	-	-	-	-
04/23/09	2,431,060	3,283,079	135	-	-	-	-	-	8,180	49	976	299	2,160
04/27/09	2,431,770	3,283,789	178	-	-	-	-	-	-	-	-	-	-
05/05/09	2,432,710	3,284,729	118	Shut down system for QWS		-	-	-	-	-	-	-	-
05/07/09	2,432,760	3,284,779	25	Restart system after QWS		-	-	-	-	-	-	-	-
05/12/09	2,433,180	3,285,199	84	System shut down for carbon change		-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
05/29/09	2,433,290	3,285,309	6	System restarted after carbon change		-	-	-	-	-	-	-	-
06/08/09	2,434,090	3,286,109	80	-	-	-	-	-	-	-	-	-	-
06/15/09	2,434,720	3,286,739	90	<6.6	<0.18	<0.24	<0.21	<0.45	1,310	191	94	2.9 J	101
06/16/09	2,434,830	3,286,849	110	-	-	-	-	-	-	-	-	-	-
06/22/09	2,435,510	3,287,529	113	Replaced pressure switch, System restarted			-	-	-	-	-	-	-
07/06/09	2,436,320	3,288,339	58	-	-	-	-	-	-	-	-	-	-
07/14/09	2,437,200	3,289,219	110	-	-	-	-	-	-	-	-	-	-
07/20/09	2,437,950	3,289,969	125	-	-	-	-	-	-	-	-	-	-
07/29/09	2,438,670	3,290,689	80	-	-	-	-	-	-	-	-	-	-
08/03/09	2,439,360	3,291,379	138	-	-	-	-	-	-	-	-	-	-
08/11/09	2,439,980	3,291,999	78	-	-	-	-	-	-	-	-	-	-
08/18/09	2,440,700	3,292,719	103	-	-	-	-	-	-	-	-	-	-
08/25/09	2,441,210	3,293,229	73	-	-	-	-	-	-	-	-	-	-
09/01/09	2,442,070	3,294,089	123	-	-	-	-	-	-	-	-	-	-
09/09/09	2,442,820	3,294,839	94	-	-	-	-	-	-	-	-	-	-
09/14/09	-	-	-	-	<0.51	< 0.51	< 0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/14/09	2,443,040	3,295,059	44	<6.6	<0.23	<0.23	<0.26	<0.81	Split-sample results during EBMUD inspection & sampling				-
09/22/09	2,443,780	3,295,799	93	Shut down system for maintenance		-	-	-	-	-	-	-	-
09/25/09	2,443,790	3,295,809	3	Restart system after maintenance		-	-	-	-	-	-	-	-
09/30/09	2,444,430	3,296,449	128	-	-	-	-	-	-	-	-	-	-
10/09/09	2,445,290	3,297,309	96	-	-	-	-	-	-	-	-	-	-
10/15/09	2,445,970	3,297,989	113	-	-	-	-	-	-	-	-	-	-
10/20/09	2,446,620	3,298,639	130	-	-	-	-	-	-	-	-	-	-
10/28/09	2,447,640	3,299,659	128	-	-	-	-	-	-	-	-	-	-
11/02/09	2,448,390	3,300,409	150	-	-	-	-	-	-	-	-	-	-
11/09/09	2,449,210	3,301,229	117	-	-	-	-	-	-	-	-	-	-
11/16/09	2,449,930	3,301,949	103	-	-	-	-	-	-	-	-	-	-
11/23/09	2,450,800	3,302,819	124	-	-	-	-	-	-	-	-	-	-
11/30/09	2,451,420	3,303,439	89	-	-	-	-	-	-	-	-	-	-
12/07/09	2,451,660	3,303,679	34	-	-	-	-	-	-	-	-	-	-
12/10/09	2,451,990	3,304,009	110	<6.6	<0.18	<0.24	<0.21	<0.45	15,400	177	1560	481	2920
12/11/09	2,451,990	3,304,009	-	System Shut down for QWS		-	-	-	-	-	-	-	-
12/17/09	2,452,040	3,304,059	7	Restart system after QWS		-	-	-	-	-	-	-	-
12/21/09	2,452,410	3,304,429	93	-	-	-	-	-	-	-	-	-	-
12/28/09	2,453,430	3,305,449	146	-	-	-	-	-	-	-	-	-	-
01/04/10	2,454,210	3,306,229	111	-	-	-	-	-	-	-	-	-	-
01/11/10	2,455,100	3,307,119	127	-	-	-	-	-	-	-	-	-	-
01/18/10	2,456,220	3,308,239	160	-	-	-	-	-	-	-	-	-	-
01/25/10	2,457,200	3,309,219	140	-	-	-	-	-	-	-	-	-	-
02/01/10	2,458,090	3,310,109	127	-	-	-	-	-	-	-	-	-	-
02/11/10	2,459,320	3,311,339	123	<6.6	<0.18	<0.24	<0.21	<0.45	-	-	-	-	-
02/15/10	2,459,750	3,311,769	108	-	-	-	-	-	-	-	-	-	-
02/22/10	2,460,460	3,312,479	101	-	-	-	-	-	-	-	-	-	-
03/01/10	2,461,530	3,313,549	153	-	-	-	-	-	-	-	-	-	-
03/08/10	2,462,510	3,314,529	140	-	-	-	-	-	-	-	-	-	-
03/15/10	2,463,370	3,315,389	123	-	-	-	-	-	-	-	-	-	-
03/23/10	2,464,280	3,316,299	114	-	-	-	-	-	-	-	-	-	-
04/01/10	2,465,250	3,317,269	108	-	-	-	-	-	-	-	-	-	-
04/06/10	2,466,110	3,318,129	172	-	-	-	-	-	-	-	-	-	-
04/14/10	2,466,980	3,318,999	109	-	-	-	-	-	-	-	-	-	-
04/20/10	2,467,780	3,319,799	133	-	-	-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
04/28/10	2,468,590	3,320,609	101	-	-	-	-	-	-	-	-	-	-
05/11/10	2,474,780	3,326,799	476	-	-	-	-	-	-	-	-	-	-
05/12/10	2,474,910	3,326,929	130	-	-	-	-	-	-	-	-	-	-
05/18/10	2,475,880	3,327,899	162	System shutdown for QWS.		-	-	-	-	-	-	-	-
05/20/10	2,476,060	3,328,079	90	System restarted after QWS.		-	-	-	-	-	-	-	-
05/27/10	2,477,040	3,329,059	140	-	-	-	-	-	-	-	-	-	-
06/03/10	2,478,140	3,330,159	157	-	-	-	-	-	-	-	-	-	-
06/08/10	2,479,370	3,331,389	246	-	-	-	-	-	-	-	-	-	-
06/15/10	2,480,350	3,332,369	140	-	-	-	-	-	-	-	-	-	-
06/23/10	2,481,130	3,333,149	98	-	-	-	-	-	-	-	-	-	-
07/02/10	2,481,990	3,334,009	96	-	-	-	-	-	-	-	-	-	-
07/07/10	2,482,860	3,334,879	174	-	-	-	-	-	-	-	-	-	-
07/13/10	2,483,780	3,335,799	153	-	-	-	-	-	-	-	-	-	-
07/20/10	2,484,760	3,336,779	140	-	-	-	-	-	-	-	-	-	-
07/23/10	2,484,940	3,336,959	60	-	-	-	-	-	7,270	11	570	29	494
07/27/10	2,485,420	3,337,439	120	-	-	-	-	-	-	-	-	-	-
08/04/10	2,486,070	3,338,089	81	-	-	-	-	-	-	-	-	-	-
08/10/10	2,486,690	3,338,709	103	-	-	-	-	-	-	-	-	-	-
08/11/10	2,486,850	3,338,869	160	-	-	-	-	-	1,130	11	71	17	101
08/17/10	2,487,710	3,339,729	143	-	-	-	-	-	-	-	-	-	-
08/25/10	2,488,270	3,340,289	70	-	-	-	-	-	-	-	-	-	-
08/31/10	2,489,030	3,341,049	127	-	-	-	-	-	-	-	-	-	-
09/09/10	2,489,710	3,341,729	76	System shut down for pilot test.			-	-	-	-	-	-	-
10/14/10	2,502,160	3,354,179	356	System Restarted after pilot test.		-	-	-	-	-	-	-	-
10/21/10	2,502,300	3,354,319	20	-	-	-	-	-	10,100	61	1,120	339	1,930
10/26/10	2,502,350	3,354,369	10	-	-	-	-	-	-	-	-	-	-
11/02/10	2,502,400	3,354,419	7	-	-	-	-	-	-	-	-	-	-
11/04/10	2,502,600	3,354,619	100	System shutdown for QWS.		-	-	-	-	-	-	-	-
11/11/10	2,502,800	3,354,819	29	System restarted after QWS.		-	-	-	-	-	-	-	-
11/18/10	2,503,090	3,355,109	41	-	-	-	-	-	-	-	-	-	-
11/24/10	2,503,730	3,355,749	107	-	-	-	-	-	-	-	-	-	-
11/30/10	2,504,450	3,356,469	120	-	-	-	-	-	-	-	-	-	-
12/07/10	2,505,310	3,357,329	123	-	-	-	-	-	-	-	-	-	-
12/15/10	2,506,430	3,358,449	140	-	-	-	-	-	-	-	-	-	-
12/16/10	2,506,570	3,358,589	140	-	-	-	-	-	528	1.5	3.1	0.6	8.5
12/22/10	2,507,890	3,359,909	220	-	-	-	-	-	-	-	-	-	-
12/30/10	2,508,130	3,360,149	30	-	-	-	-	-	-	-	-	-	-
01/05/11	2,509,350	3,361,369	203	-	-	-	-	-	-	-	-	-	-
01/12/11	2,510,700	3,362,719	193	-	-	-	-	-	-	-	-	-	-
01/13/11	2,510,860	3,362,879	160	-	-	-	-	-	208,000	3,220	37,800	7,000	59,400
01/18/11	2,511,800	3,363,819	188	-	-	-	-	-	-	-	-	-	-
01/26/11	2,512,990	3,365,009	149	-	-	-	-	-	-	-	-	-	-
02/02/11	2,513,880	3,365,899	127	System shut down for carbon change		-	-	-	15,300	166	3,300	716	6,030
03/08/11	2,513,980	3,365,999	3	System restarted after carbon change		-	-	-	-	-	-	-	-
03/16/11	2,515,200	3,367,219	153	-	-	-	-	-	-	-	-	-	-
03/22/11	2,516,510	3,368,529	218	-	-	-	-	-	16,900	106	1,550	572	3,380
03/29/11	2,534,620	3,386,639	2,587	-	-	-	-	-	-	-	-	-	-
04/06/11	2,540,240	3,392,259	703	-	-	-	-	-	-	-	-	-	-
04/14/11	2,542,590	3,394,609	294	-	-	-	-	-	-	-	-	-	-
04/19/11	2,543,890	3,395,909	260	-	-	-	-	-	-	-	-	-	-
04/26/11	2,545,140	3,397,159	179	-	-	-	-	-	133,000	3,110	21,100	2,650	13,300

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
05/10/11	2,545,780	3,397,799	46	-	-	-	-	-	-	-	-	-	-
05/17/11	2,546,980	3,398,999	171	-	-	-	-	-	-	-	-	-	-
06/01/11	2,549,230	3,401,249	150	-	-	-	-	-	-	-	-	-	-
06/07/11	2,550,450	3,402,469	203	System shutdown for QWS.		-	-	-	-	-	-	-	-
06/09/11	2,550,490	3,402,509	20	System restarted after QWS.		-	-	-	-	-	-	-	-
06/17/11	2,551,840	3,403,859	169	-	-	-	-	-	-	-	-	-	-
06/21/11	2,553,160	3,405,179	330	-	-	-	-	-	-	-	-	-	-
WD PERMIT LIMITS:				*NE*	*5.0*	*5.0*	*5.0*	*5.0*					

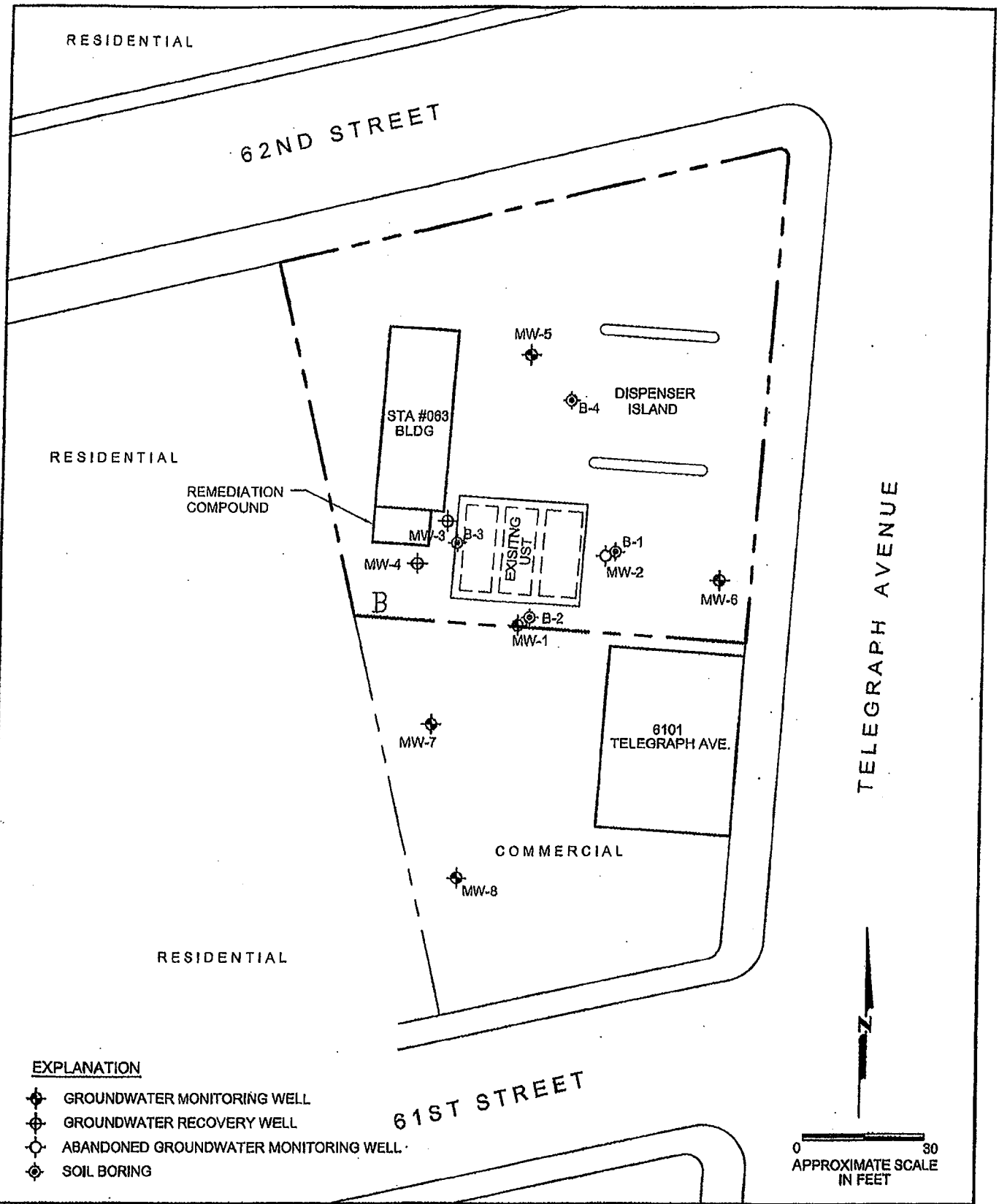
Note:

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

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

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

FIGURES



	SITE PLAN	FIGURE: 1
	Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California	SHEET: of REVISION NO: 0 DATE: 03/07
PROJECT NO.		

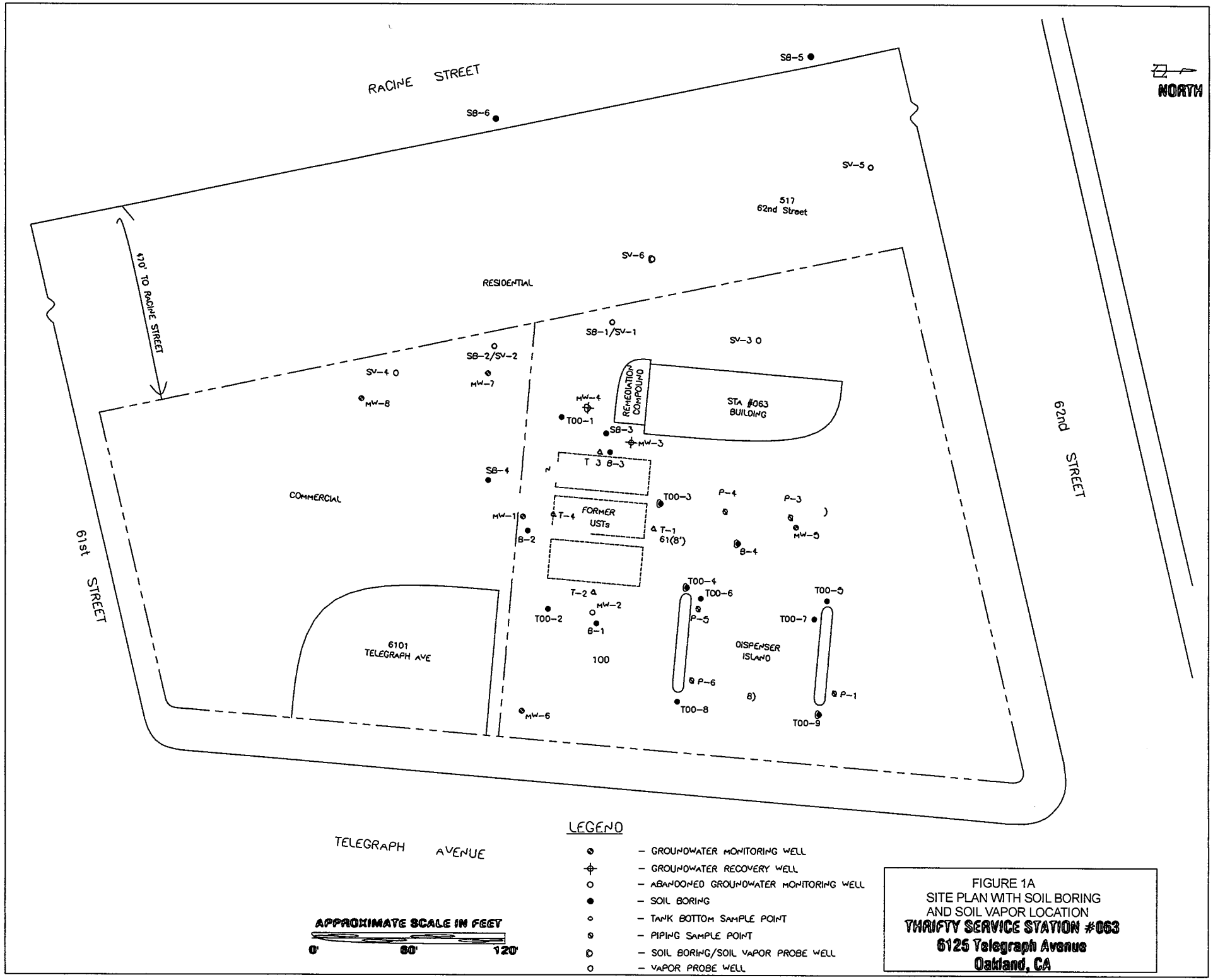
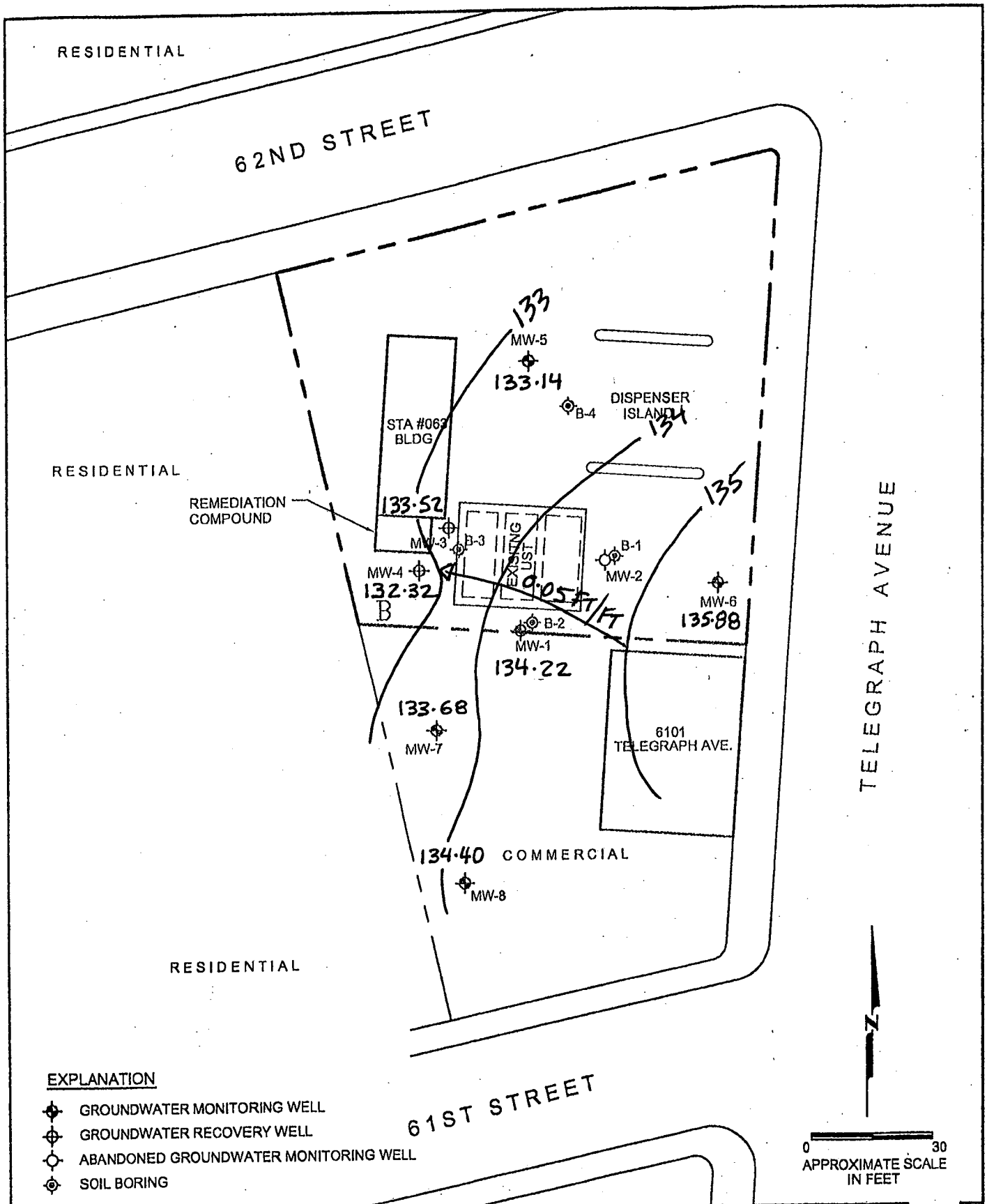


FIGURE 1A
SITE PLAN WITH SOIL BORING
AND SOIL VAPOR LOCATION
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA



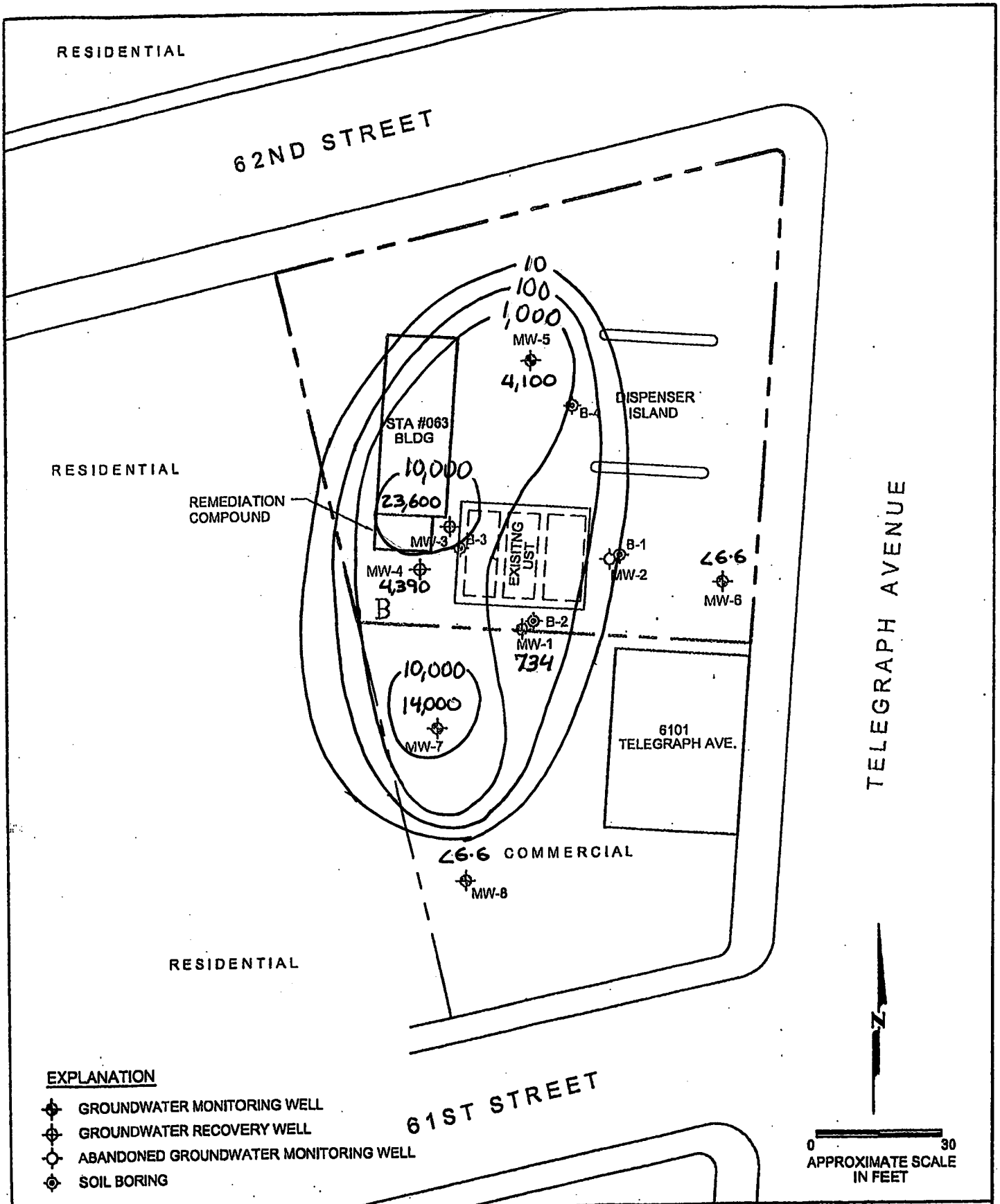
Groundwater gauging conducted on 6-8-11
Elevations reported in feet above mean sea level
* = not used to determine groundwater contour lines

PROJECT NO.

Groundwater Elevation Contour Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 2
SHEET: of
REVISION NO: 0
DATE: 03/07



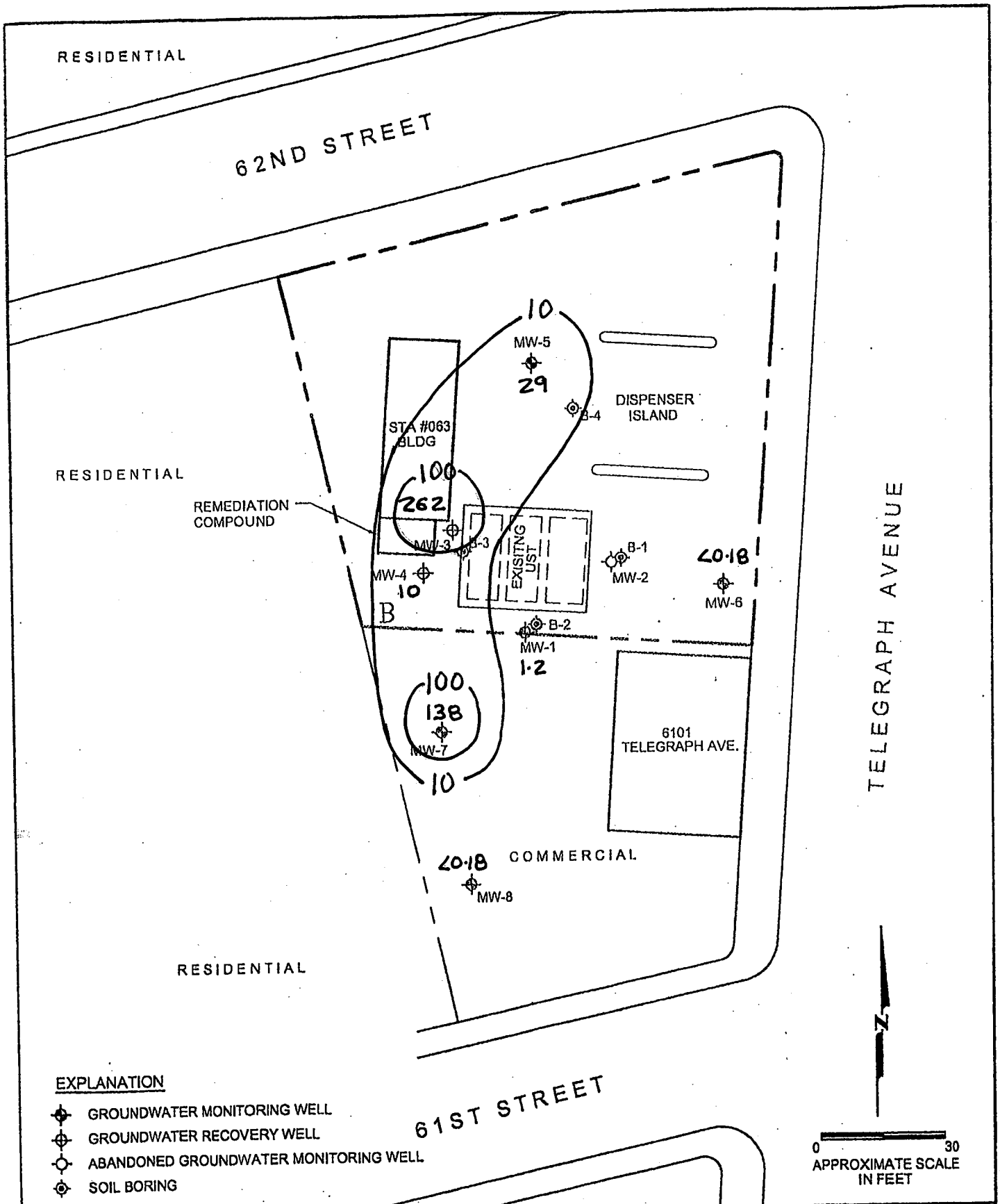
units in µg/L
Samples collected on 6-8-11

TPHg Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 3
SHEET: of
REVISION NO: 0
DATE: 03/07

PROJECT NO.



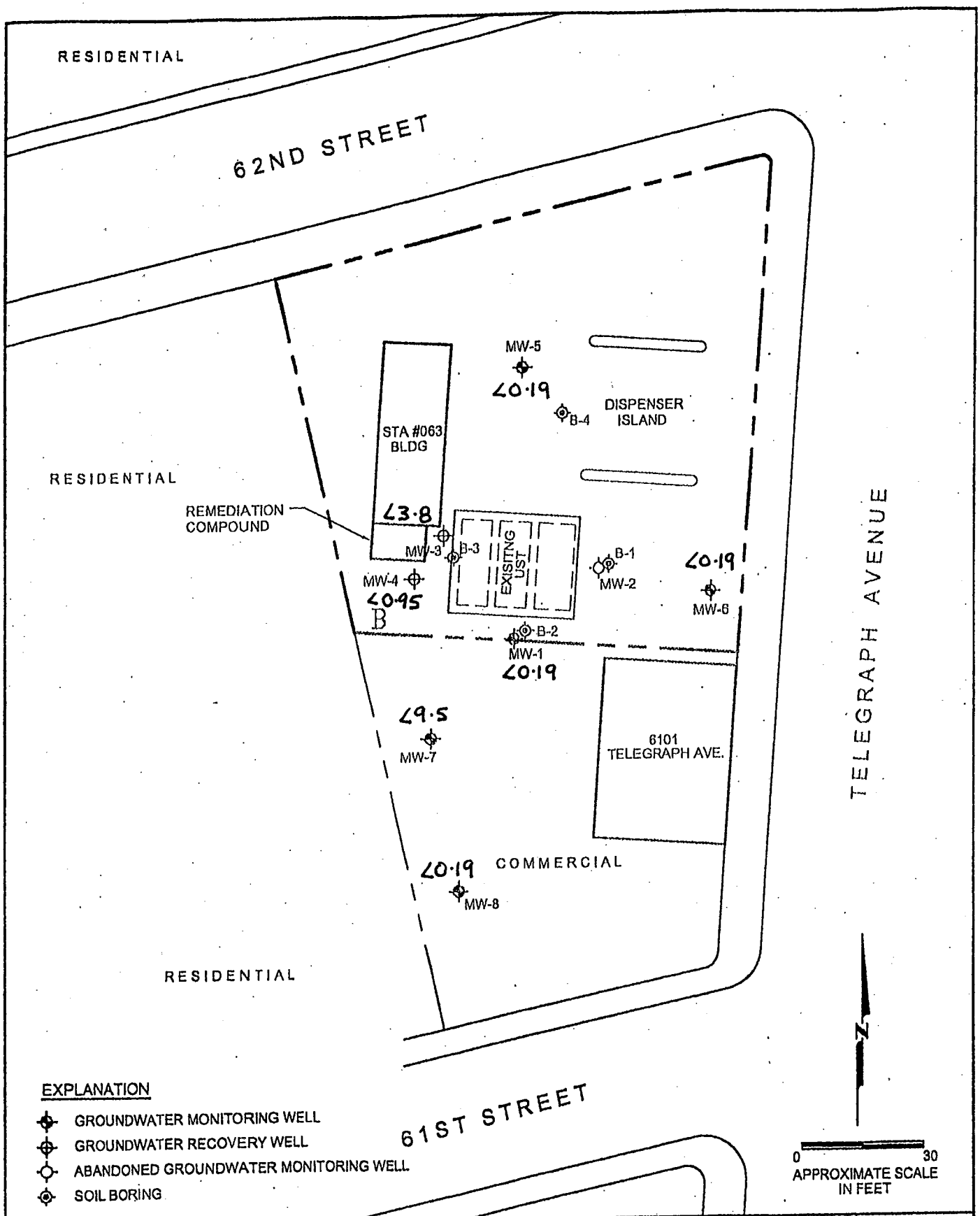
units in µg/L
Samples collected on 6-8-11

PROJECT NO.

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 4
SHEET: of
REVISION NO: 0
DATE: 03/07



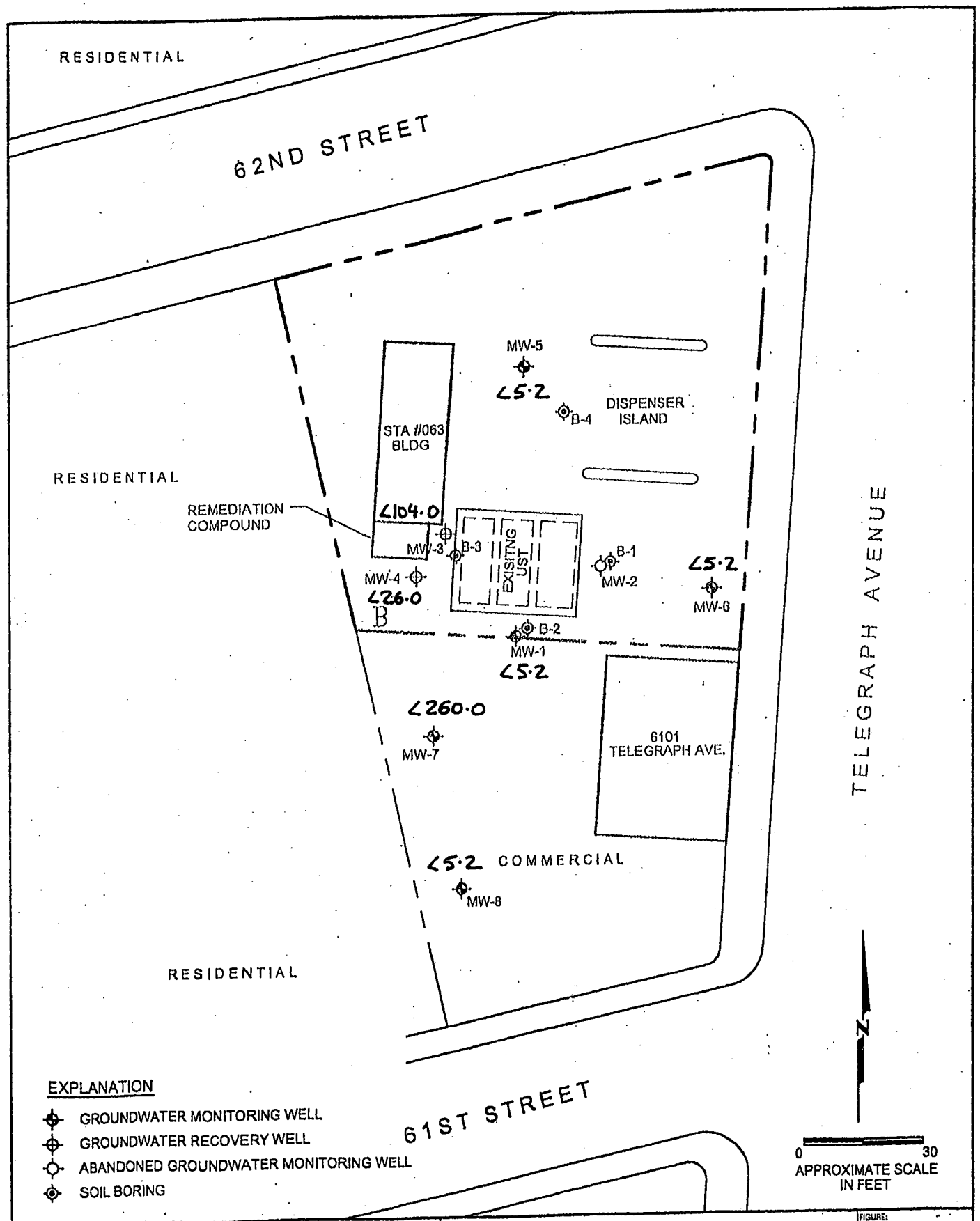
units in µg/L
Samples collected on 6-8-11

PROJECT NO. -

MTBE Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 5
SHEET: of
REVISION NO: 0
DATE: 03/07



units in µg/L
Samples collected on 6-8-11

PROJECT NO. -

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 6
SHEET: of
REVISION NO: 0
DATE: 03/07

APPENDIX A

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT S_ATUS REPORT

SITE: THRIFTY OIL CO. #063
ADDRESS: 6125 TELEGRAPH AVE.
OAKLAND, CA.94609

DATE: 06-08-2011

PERSONNEL: SERBAN P.

	WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL) EST.	PURGE (GAL) ACT.	COMMENT
	QUARTERLY									
1	MW-1		14.21	28.94		14.73	2"	7	10	
2	MW-3		15.42	28.30		12.78	6"	56	60	
3	MW-4		16.56	29.07		12.51	2"	6	10	
4	MW-5		16.48	26.23		9.75	4"	19	20	
5	MW-6		12.50	26.80		14.30	4"	28	30	
6	MW-7		14.52	17.45		2.93	2"	2	5	OFFSITE
7	MW-8		12.91	18.29		5.38	2"	2	5	OFFSITE

FREE PRODUCT REMOVED: APPROX. 0 GALLONS

PURGE-WATER REMOVED: APPROX. 140 GALLONS

REMARKS:
- MONITORING WELLS
- PURGE WATER WAS TRANSFER IN HOLDING TANK
- TAKE WATER SAMPLING FROM 7 WELLS

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

REV: 4/6/2007

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 06-08-2011

Address: 6125 TELEGRAPH AVE, OAKLAND 94609

Well ID#: MW-5

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:	8:00	Well casing dia. (in)	4
Total Well Depth (ft):	26.23	Depth To Product (ft)	
Depth To Water (ft):	16.48	Product Thickness (ft)	
Water Column (ft):	9.75		

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

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

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

Estimated Purge Volume (gal): 9.75 (water column) x 1.96 (multiplier) = 19

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:10	0	START PURGING					
9:15	5	5	70.2	5.30	1190	CLEAR	
9:20	5	5	70.6	5.28	1180	CLEAR	
9:25	5	5	70.4	5.26	1170	CLEAR	
9:30	5	5	70.4	5.30	1180	CLEAR	

DTW Immed. after purge (ft): 16.40 | Actual purged volume (gal): 20 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [9.75 (Water Column)] x 0.20 + [16.48 (DTW Initial)] = 18.43 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	12:40 am / pm			

Depth To Water Before Sampling (ft): 18.40

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 06-08-2011

Address: 6125 TELEGRAPH AVE, OAKLAND 94609

Well ID#: MW-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:	9:00	Well casing dia. (in)	2
Total Well Depth (ft):	28.94	Depth To Product (ft)	
Depth To Water (ft):	14.21	Product Thickness (ft)	
Water Column (ft):	14.73		

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

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.	0.49	0.77	1.51	2.57	7.71

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

Estimated Purge Volume (gal): 14.73 (water column) x 0.49 (multiplier) = 7

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:20	0	START PURGING					
12:22	2	2	71.0	5.30	1370	CLEAR	
12:24	2	2	69.9	5.32	1360	CLEAR	
12:26	2	2	69.7	5.31	1350	CLEAR	
12:28	2	2	69.4	5.29	1360	CLEAR	
12:30	2	2	69.3	5.25	1360	CLEAR	

DTW immed. after purge (ft): | Actual purged volume (gal): NO | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [14.73 (Water Column)] x 0.20 + [14.21 (DTW Initial)] = 17.15 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	14:35 am / pm			

Depth To Water Before Sampling (ft): 17.09

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 06-08-2011

Address: 6125 TELEGRAPH AVE OAKLAND 94609

Well ID#: MW-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:	8:50	Well casing dia. (in)	2
Total Well Depth (ft):	17.45	Depth To Product (ft)	
Depth To Water (ft):	14.52	Product Thickness (ft)	
Water Column (ft):	2.93		

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

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

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

Estimated Purge Volume (gal): 2.93 (water column) x 0.49 (multiplier) = 2

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:05	0	START PURGING					
12:06	1	1	64.3	5.48	1290	CLEAR	
12:07	1	1	64.2	5.42	1300	CLEAR	
12:08	1	1	64.7	5.39	1320	CLEAR	
12:09	1	1	64.8	5.38	1300	CLEAR	
12:10	1	1	64.7	5.45	1300	CLEAR	

DTW immed. after purge (ft): | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [2.93 (Water Column)] x 0.20 + [14.52 (DTW Initial)] = 15.10 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	14:10 am / pm			

Depth To Water Before Sampling (ft): 15.02

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 06-08-2011

Address: 6125 TELEGRAPH AVE, OAKLAND 94609

Well ID#: MW-4

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:	8:40	Well casing dia. (in)	2
Total Well Depth (ft):	29.07	Depth To Product (ft)	
Depth To Water (ft):	16.56	Product Thickness (ft)	
Water Column (ft):	12.51		

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

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

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

Estimated Purge Volume (gal): 12.51 (water column) x 0.49 (multiplier) = 6

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:45	0	START PURGING					
11:47	2	2	64.2	5.92	1380	CLEAR	
11:49	2	2	64.6	6.01	1270	CLEAR	
11:51	2	2	64.8	6.08	1260	CLEAR	
11:53	2	2	64.5	6.06	1270	CLEAR	
11:55	2	2	64.4	6.02	1260	CLEAR	

DTW immed. after purge (ft): 16.53 | Actual purged volume (gal): 10 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [12.51 (Water Column)] x 0.20 + [16.56 (DTW Initial)] = 19.07 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	14:05 am / pm			

Depth To Water Before Sampling (ft): 10.00

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 06-08-2011

Address: 6125 TELEGRAPH AVE, OAKLAND 94609

Well ID#: MW-3

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:	8:30	Well casing dia. (in)	6
Total Well Depth (ft):	28.20	Depth To Product (ft)	
Depth To Water (ft):	15.42	Product Thickness (ft)	
Water Column (ft):	12.78		

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

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

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

Estimated Purge Volume (gal): 12.78 (water column) x 4.40 (multiplier) = 56

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:35	0	START PURGING					
10:47	12	12	70.1	5.93	1380	CLEAR	
10:59	12	12	69.8	6.03	1400	CLEAR	
11:11	12	12	69.7	6.04	1430	CLEAR	
11:23	12	12	70.1	6.02	1420	CLEAR	
11:36	12	12	70.3	6.05	1420	CLEAR	

DTW immed. after purge (ft): 15.31 | Actual purged volume (gal): 60 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [12.78 (Water Column)] x 0.20 + [15.42 (DTW Initial)] = 17.97 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	13:40 am / pm			

Depth To Water Before Sampling (ft): 17.88

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063	Date: 06-08-2011
Address: 6125 TELEGRAPH AVE, OAKLAND 94609	Well ID#: MW-8
Personnel: SERBAH 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:	8:20	Well casing dia. (in)	2
Total Well Depth (ft):	18.29	Depth To Product (ft)	
Depth To Water (ft):	12.91	Product Thickness (ft)	
Water Column (ft):	5.38		

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

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

Estimated Purge Volume (gal): 5.38 (water column) × 0.49 (multiplier) = 2

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:15	0	START PURGING	--	--	--	--	
10:16	1	1	70.1	5.42	1480	CLEAR	
10:17	1	1	69.8	5.41	1460	CLEAR	
10:18	1	1	69.7	5.40	1470	CLEAR	
10:19	1	1	70.1	5.42	1460	CLEAR	
10:20	1	1	70.2	5.45	1460	CLEAR	

DTW immed. after purge (ft): 12.88 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [5.38 (Water Column)] x 0.20 + [12.91 (DTW initial)] = 13.98 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW initial)) x 0.20 + [ ] (DTW initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	13:00 am / pm			

Depth To Water Before Sampling (ft): 13.82

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063	Date: 06-08-2011
Address: 6125 TELEGRAPH AVE, OAKLAND 94609	Well ID#: MW-6
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:	8:10	Well casing dia. (in)	4"
Total Well Depth (ft):	26.80	Depth To Product (ft)	
Depth To Water (ft):	12.50	Product Thickness (ft)	
Water Column (ft):	14.30		

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

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

Estimated Purge Volume (gal): 14.30 (water column) x 1.96 (multiplier) = 28

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:30	0	START PURGING	--	--	--	--	
9:36	6	6	70.2	5.92	1380	CLEAR	
9:42	6	6	70.1	5.90	1330	CLEAR	
9:48	6	6	69.9	5.98	1340	CLEAR	
9:54	6	6	69.8	5.92	1330	CLEAR	
10:00	6	6	70.1	5.92	1330	CLEAR	

DTW immed. after purge (ft): 12.41 | Actual purged volume (gal): 30 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [14.30 (Water Column)] x 0.20 + [12.50 (DTW initial)] = 15.36 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW initial)) x 0.20 + [ ] (DTW initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
06.08.11	12:50 am / pm			

Depth To Water Before Sampling (ft): 15.30

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 276431
REPORTED 06/22/2011
RECEIVED 06/10/2011

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
1172850	TOC #063 MW-1
1172851	TOC #063 MW-7
1172852	TOC #063 MW-4
1172853	TOC #063 MW-3
1172854	TOC #063 MW-8
1172855	TOC #063 MW-6
1172856	TOC #063 MW-5
1172857	TOC #063 Trip Blank
1172858	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1172850 **Client Sample ID:** TOC #063 MW-1

Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 14:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	1.2	1.0	1	0.18	ug/L	06/15/11 AKK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	06/15/11 AKK
Ethyl benzene	25	1.0	5	0.21	ug/L	06/15/11 AKK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	06/15/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	06/15/11 AKK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	06/15/11 AKK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	06/15/11 AKK
Toluene	30	1.0	5	0.24	ug/L	06/15/11 AKK
Xylenes, total	169	1.0	5	0.45	ug/L	06/15/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015B - Gasoline						
Gasoline	734	1.0	50	6.6	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	84				%	60 - 140

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

Order #: 1172851 **Client Sample ID:** TOC #063 MW-7

Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 14:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	138	50.0	50.0	9.0	ug/L	06/14/11 AKK
Di-isopropyl ether (DIPE)	ND	50.0	50.0	10.0	ug/L	06/14/11 AKK
Ethyl benzene	521	50.0	250.0	10.5	ug/L	06/14/11 AKK
Ethyl-tertbutylether (ETBE)	ND	50.0	50.0	11.5	ug/L	06/14/11 AKK
Methyl-tert-butylether (MTBE)	ND	50.0	50.0	9.5	ug/L	06/14/11 AKK
Tert-amylmethylether (TAME)	ND	50.0	50.0	9.5	ug/L	06/14/11 AKK
Tertiary butyl alcohol (TBA)	ND	50.0	500.0	260.0	ug/L	06/14/11 AKK
Toluene	1580	50.0	250.0	12.0	ug/L	06/14/11 AKK
Xylenes, total	2880	50.0	250.0	22.5	ug/L	06/14/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	94				%	70 - 135
Surr4 - p-Bromofluorobenzene	110				%	70 - 135
8015B - Gasoline						
Gasoline	14000	10.0	500.0	66.0	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	84				%	60 - 140

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

Order #: 1172852
Client Sample ID: TOC #063 MW-4
Matrix: WATER
Date Sampled: 06/08/2011 Time Sampled: 14:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	10	5.0	5.0	0.9	ug/L	06/15/11 AKK
Di-isopropyl ether (DIPE)	ND	5.0	5.0	1.0	ug/L	06/15/11 AKK
Ethyl benzene	ND	5.0	25.0	1.05	ug/L	06/15/11 AKK
Ethyl-tertbutylether (ETBE)	ND	5.0	5.0	1.15	ug/L	06/15/11 AKK
Methyl-tert-butylether (MTBE)	ND	5.0	5.0	0.95	ug/L	06/15/11 AKK
Tert-amylmethylether (TAME)	ND	5.0	5.0	0.95	ug/L	06/15/11 AKK
Tertiary butyl alcohol (TBA)	ND	5.0	50.0	26.0	ug/L	06/15/11 AKK
Toluene	ND	5.0	25.0	1.2	ug/L	06/15/11 AKK
Xylenes, total	1450	5.0	25.0	2.25	ug/L	06/15/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	115				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015B - Gasoline						
Gasoline	4390	5.0	250.0	33.0	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	87				%	60 - 140

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

Order #: 1172853 **Client Sample ID:** TOC #063 MW-3
Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 13:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	262	20.0	20.0	3.6	ug/L	06/21/11 AKK
Di-isopropyl ether (DIPE)	ND	20.0	20.0	4.0	ug/L	06/21/11 AKK
Ethyl benzene	80J	20.0	100.0	4.2	ug/L	06/21/11 AKK
Ethyl-tertbutylether (ETBE)	ND	20.0	20.0	4.6	ug/L	06/21/11 AKK
Methyl-tert-butylether (MTBE)	ND	20.0	20.0	3.8	ug/L	06/21/11 AKK
Tert-amylmethylether (TAME)	ND	20.0	20.0	3.8	ug/L	06/21/11 AKK
Tertiary butyl alcohol (TBA)	ND	20.0	200.0	104.0	ug/L	06/21/11 AKK
Toluene	2780	20.0	100.0	4.8	ug/L	06/21/11 AKK
Xylenes, total	5380	20.0	100.0	9.0	ug/L	06/21/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	23600	40.0	2000.0	264.0	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	85				%	60 - 140

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

Order #: 1172854
Client Sample ID: TOC #063 MW-8
Matrix: WATER
Date Sampled: 06/08/2011 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	06/14/11 AKK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	06/14/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	06/14/11 AKK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	06/14/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	06/14/11 AKK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	06/14/11 AKK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	06/14/11 AKK
Toluene	2.2J	1.0	5	0.24	ug/L	06/14/11 AKK
Xylenes, total	4.1J	1.0	5	0.45	ug/L	06/14/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	127				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	83				%	60 - 140

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

Order #: 1172855 **Client Sample ID:** TOC #063 MW-6
Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 12:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	06/14/11 AKK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	06/14/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	06/14/11 AKK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	06/14/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	06/14/11 AKK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	06/14/11 AKK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	06/14/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	06/14/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	06/14/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	123				%	70 - 135
Surr3 - Toluene-d8	93				%	70 - 135
Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	81				%	60 - 140

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

Order #: 1172856 **Client Sample ID:** TOC #063 MW-5
Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 12:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	29	1.0	1	0.18	ug/L	06/14/11 AKK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	06/14/11 AKK
Ethyl benzene	161	1.0	5	0.21	ug/L	06/14/11 AKK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	06/14/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	06/14/11 AKK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	06/14/11 AKK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	06/14/11 AKK
Toluene	437	5.0	25.0	1.2	ug/L	06/15/11 AKK
Xylenes, total	816	5.0	25.0	2.25	ug/L	06/15/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	94				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	111				%	70 - 135
8015B - Gasoline						
Gasoline	4100	1.0	50	6.6	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	85				%	60 - 140

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

Order #: 1172857 **Client Sample ID:** TOC #063 Trip Blank
Matrix: WATER **Date Sampled:** 06/08/2011 **Time Sampled:** 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	06/14/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	06/14/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	06/14/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	06/14/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	120				%	70 - 135
Surr3 - Toluene-d8	92				%	70 - 135
Surr4 - p-Bromofluorobenzene	106				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	06/14/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	81				%	60 - 140

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

Order #: 1172858 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	06/14/11 AKK
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	06/14/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	06/14/11 AKK
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	06/14/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	06/14/11 AKK
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	06/14/11 AKK
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	06/14/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	06/14/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	06/14/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	121				%	70 - 135
Surr3 - Toluene-d8	92				%	70 - 135
Surr4 - p-Bromofluorobenzene	106				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	06/13/11 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	86				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: June 13, 2011

Analysis Date 6/13-6/14

Lab ID#'s in Batch: 276431, 276402, 276410, 276414, 276534, 276047, 276598

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	402	402	80	80	0

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	81
LCS	86
LCSD	85

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: June 13, 2011

Analysis Date June 13, 2011

Lab ID#'s in Batch: 276409, 276431, 276542

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	420	413	84	83	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	86
LCS	86
LCSD	86

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 276850-644
Date Prepared: June 21, 2011
Date Analyzed: 6/21-6/22/2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 276748, 276711, 276672, 276742, 276720, 276509, 276431, 276850

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	43.7	52.9	87	106	19	22	59 - 172
MTBE	0.00	50.0	45.2	49.4	90	99	9	24	62 - 137
Benzene	0.00	50.0	43.2	50.1	86	100	15	24	62 - 137
Trichloroethene	0.00	50.0	46.6	50.3	93	101	8	21	66 - 142
Toluene	0.00	50.0	48.4	54.3	97	109	11	21	59 - 139
Chlorobenzene	0.00	50.0	47.4	52.3	95	105	10	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.1	104	59 - 172
MTBE	50.0	49.1	98	62 - 137
Benzene	50.0	50.7	101	62 - 137
Trichloroethene	50.0	50.3	101	66 - 142
Toluene	50.0	52.9	106	59 - 139
Chlorobenzene	50.0	52.4	105	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	101	101		101	100		102	70 - 135
1,2-Dichloroethane-d4	127	116		89	84		85	70 - 135
Toluene-d8	97	101		107	104		106	70 - 135
p-Bromofluorobenzene	96	95		94	89		96	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 276409-749
Date Prepared: June 14, 2011
Date Analyzed: 6/14-6/15/2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 276409, 276576, 276431, 276452

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.7	51.5	101	103	2	22	59 - 172
MTBE	0.00	50.0	51.0	48.1	102	96	6	24	62 - 137
Benzene	0.00	50.0	51.0	50.5	102	101	1	24	62 - 137
Trichloroethene	0.00	50.0	46.4	48.2	93	96	4	21	66 - 142
Toluene	0.00	50.0	52.0	53.1	104	106	2	21	59 - 139
Chlorobenzene	0.00	50.0	49.0	49.6	98	99	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.5	99	59 - 172
MTBE	50.0	51.2	102	62 - 137
Benzene	50.0	50.1	100	62 - 137
Trichloroethene	50.0	46.5	93	66 - 142
Toluene	50.0	48.8	98	59 - 139
Chlorobenzene	50.0	47.4	95	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	99	102		103	100		101	70 - 135
1,2-Dichloroethane-d4	131	123		86	82		85	70 - 135
Toluene-d8	95	92		100	102		101	70 - 135
p-Bromofluorobenzene	95	105		101	103		100	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 276431-854
Date Prepared: June 13, 2011
Date Analyzed: 6/13-6/14/2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 276297, 276410, 276431

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	52.3	51.7	105	103	1	22	59 - 172
MTBE	0.00	50.0	52.3	51.2	105	102	2	24	62 - 137
Benzene	0.00	50.0	51.5	51.7	103	103	0	24	62 - 137
Trichloroethene	0.00	50.0	45.7	45.9	91	92	0	21	66 - 142
Toluene	0.00	50.0	52.7	51.1	105	102	3	21	59 - 139
Chlorobenzene	0.00	50.0	49.4	48.6	99	97	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	51.3	103	59 - 172
MTBE	50.0	50.3	101	62 - 137
Benzene	50.0	51.8	104	62 - 137
Trichloroethene	50.0	47.4	95	66 - 142
Toluene	50.0	49.8	100	59 - 139
Chlorobenzene	50.0	48.8	98	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	101	99		101	104		102	70 - 135
1,2-Dichloroethane-d4	121	121		85	85		83	70 - 135
Toluene-d8	94	92		99	99		100	70 - 135
p-Bromofluorobenzene	107	106		102	101		101	70 - 135

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: #1063
Date Received: 06-09-11 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 4.0 c

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: 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: M. Ehrlich Date: 06-09-11

Chain of Custody Record

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

Company: THRIFTY OIL CO. | Phone: 562(921-7540)
Project Manager: JEFF SUDYAKUSUMA | Fax: 562(921-3581)
Project Name: Q.W.S. | Project #: 063
Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND CA. 94609

A.L. Job No. 276431 | Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-G/8015M	BTEX/8260B	OXYGENATES	Test Instructions & Comments
1	MW-1.		06.08.20M	14:35	H_2O	4-VOA	NONE	X	X	X	
2	MW-7.			14:10				X	X	X	
3	MW-4.			14:05				X	X	X	
4	MW-3			13:40				X	X	X	
5	MW-8			13:00				X	X	X	
6	MW-6			12:50				X	X	X	
7	MW-5			12:40				X	X	X	
8	TRIP BLANK		06.08.20M	00:00	H_2O	2-VOA	NONE	X	X		
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

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

	1.	2.	3.
Relinquished by Sampler:	E.M.C.		
Signature:			
Printed Name:			
Date:	06.09.11		
Time:	10:30		
Received By:	G.S.O.		
Signature:			
Printed Name:	Daniel Lee		
Date:	6/10/11		
Time:	9:08		

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

APPENDIX C

063

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

NAME OF INSPECTOR: SERBAN P-

DATE OF INSPECTION: 06-21-2011

OBSERVATIONS AND COMMENTS: CHECK TRANSFER PUMP, CHECK BELT ADD OIL, CLEAN AIR FILTER FOR COMPRESSOR, DRAIN WATER & OIL FROM COMPRESSOR TANK, CHECK PUMP IN MW-3, CLEAN IN AND OUT COMPOUND,

FLOW METER READING: 2553160-

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 06-17-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, CHECK TRANSFER PUMP, DRAIN WATER FROM COMPRESSOR TANK, CHECK PUMP IN MW-4

FLOW METER READING: 2551840-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: S. Boyer

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM START UP / SHUTDOWN REPORT

SITE: TOC # 063
ADDR: 6125 TRUE GROVE
OAKLAND 94609
DATE: 06-09-2011
PERSON: REDBATH

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		2550490	
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
RESTART AFTER QWS.

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPO

SITE: TOC # 063
ADDR: 6126 MELROSE AVE
OAKLAND, CA 94609
DATE: 06-07-2011
PERSON: REBATH

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging			[redacted]	[redacted]	
SVE	Soil Vapor Extraction				[redacted]	
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓	[redacted]	2550456	
FPR	FP Recovery			[redacted]		
O	Other:					

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

OTHER NOTES:
SHUT DOWN FOR RWS-

ALWAYS OBSERVE SAFETY PROCEDURES!

063

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

NAME OF INSPECTOR: SERBANT

DATE OF INSPECTION: 06-01-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP CHECK CORROSION DRUMS FOR LEAKS, CHECK PUMP IN MW-3

FLOW METER READING: 254.9230

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 05-17-2011

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK, CHECK BELT, ADD OIL, CHECK TRANSFER PUMP, CHECK PUMP IN MW-3 CHECK IN AND OUT COMPOUNDS,

FLOW METER READING: 2546480-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: STERBAN P.

DATE OF INSPECTION: 05-10-2011

OBSERVATIONS AND COMMENTS: CHECK BOILER, DRAIN WATER FROM COMPRESSOR TANK, CHECK FILTERS FOR FILTER/REGULATOR FOR PUMP MW-3 AND MW-4, CHECK TRAPS FOR PUMP CURB COMPOUND,

FLOW METER READING: 2545780

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 04-26-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, ADD OIL, CHECK TRANSFER PUMP, CHECK PUMP IN MW-3 DRAIN WATER FROM COMPRESSOR TANK, CHECK FILTERS FOR FILTER/REGULATOR UNIT FOR MW-3 AND MW-4 PUMPS, TAKE MONTHLY WATER SAMPLING FROM SYSTEM

FLOW METER READING: 2545140

SAMPLES OBTAINED: INLET, INT.-2 INT.-1

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 40

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 04-19-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK MW-4 PUMP, CHECK FILTER FROM FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS, CLEAN IN AND OUT COMPOUND,

FLOW METER READING: 2543890

SAMPLES OBTAINED: NO.

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERGIO P.

DATE OF INSPECTION: 04-14-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, CHECK BELT, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4 DRAIN COMPRESSOR TANK, CHECK FILTER FROM FILTER/REGULATOR UNIT FOR MW-4 AND MW-3 PUMPS,

FLOW METER READING: 2542590

SAMPLES OBTAINED: 1+0

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: SERBAN P-

DATE OF INSPECTION: 04-06-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, ADD OIL, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4, CHECK IN AND OUT COMPOUND,

FLOW METER READING: 2540240 -

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: SERBAT A.

DATE OF INSPECTION: 03-29-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, CHECK BELT, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4, CHECK CARBON DRUMS FOR LEAKS, DRAIN WATER FROM COMPRESSOR TANK

FLOW METER READING: 2534620-

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 20

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.6

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

INSPECTOR'S SIGNATURE: Sfaye

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 03-22-2011

OBSERVATIONS AND COMMENTS: CHECK TRANSFER PUMP, CHECK OIL BELT, CHECK CARBON DRUMS FOR LEAKS TAKE WATER SAMPLING FROM SYSTEM

FLOW METER READING: 2616510

SAMPLES OBTAINED: SYSTEM SAMPLING (INLET, INT 2, INT-1)

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.4

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: S Boyce

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 03-16-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, CHECK OIL, ADD OIL, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK FILTER FOR COMPRESSOR DRAIN WATER FROM FILTER/REGULATOR UNIT CLEAN IN AND OUT COMPOUND.

FLOW METER READING: 2515200-

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPO

SITE: TOC #063
ADDR: 6125 FREEMONT AVE
OAKLAND 94609
DATE: 03-08-2011
PERSON: DEBBAH

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action: Startup	Action: Shutdown	Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		2513980	
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
RESTART SYSTEM AFTER CHANGE CARBON

ALWAYS OBSERVE SAFETY PROCEDURES!

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 03-08-2011

OBSERVATIONS AND COMMENTS: RESTART SYSTEM AFTER CARBON CHANGE, CHECK OIL, BELT, TRANSFER PUMP

FLOW METER READING: 25X3980

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.6

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPO

SITE: TOC #063
ADDR: 0125 TELEGRAPH
ONTARIO NY 14604
DATE: 02-02-2011
PERSON: REDACTED

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		2513880	
FPR	FP Recovery					
O	Other:					

UTILITIES:
Electrical Meter: —
Nat. gas Meter: —
Propane Tank Level: —

OTHER NOTES:
SHUT DOWN SYSTEM FOR REPLACEMENT CARBON 2

ALWAYS OBSERVE SAFETY PROCEDURES!

003

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

NAME OF INSPECTOR: SERBAT P

DATE OF INSPECTION: 02-02-2011

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK, CHECK BELTS, ADD OIL, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4

FLOW METER READING: 2513880-

SAMPLES OBTAINED: YES (FROM SYSTEM)

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 01-26-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, DRAIN WATER FROM COMPRESSOR TANK, ADD OIL, CHECK TRANSFER PUMP, CHECK PUMP IN MW-4, CHECK CARBON DRUMS FOR DAMAGE, CLEAN UP INSIDE COMPOUND

FLOW METER READING: 2512990

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 01-18-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, ADD OIL, DRAIN WATER FROM COMPRESSOR TANK, CHECK FILTERS FROM FILTER/REGULATOR UNIT, CHECK TRANSFER PUMP,

FLOW METER READING: 2511800

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 40

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.3

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERBAN P

DATE OF INSPECTION: 01.13.2011

OBSERVATIONS AND COMMENTS: SYSTEM WATER SAMPLING

FLOW METER READING: 2510860-

SAMPLES OBTAINED: INLET INT 2 INT-1

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: [signature]

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

NAME OF INSPECTOR: SERRANO

DATE OF INSPECTION: 02.12.2014

OBSERVATIONS AND COMMENTS: CHECK OIL, CHECK BELT, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, CLEAN IN AND OUT COMPOUND,

FLOW METER READING: 2510700

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 01-05-2011

OBSERVATIONS AND COMMENTS: CHECK OIL, CHECK BELT, CLEAN AIR FILTER, CHECK TRANSFER PUMP, DRAIN WATER FROM FILTER/REGULATOR UNIT, DRAIN COMPRESSOR TANK, CLEAN INSIDE COMPOUND, CHECK HOSES AND DRUMS FOR DAMAGE

FLOW METER READING: -2509350-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 12-30-2010

OBSERVATIONS AND COMMENTS: CHECK BELT, ADD OIL, CHECK TRANSFER PUMP, DRAIN WATER FROM COMPRESSOR TANK, CHECK PUMP IN MW-4 CLEAN IN AND OUT COMPOUND, CHECK DRUMS FOR LEAKS

FLOW METER READING: 2508130 =

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.6

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.3

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE:

APPENDIX D

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

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

LAB REQUEST 274035
REPORTED 05/02/2011
RECEIVED 04/27/2011

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
1162835	TOC #063 INLET
1162836	TOC #063 INT-2
1162837	TOC #063 INT-1
1162838	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1162835 **Client Sample ID:** TOC #063 INLET

Matrix: WATER **Date Sampled:** 04/26/2011 **Time Sampled:** 10:

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	3110	50.0	50.0	9.0	ug/L	04/28/11 AKK
Ethyl benzene	2650	50.0	250.0	10.5	ug/L	04/28/11 AKK
Methyl-tert-butylether (MTBE)	ND	50.0	50.0	9.5	ug/L	04/28/11 AKK
Toluene	21100	100.0	500.0	24.0	ug/L	04/28/11 AKK
Xylenes, total	13300	50.0	250.0	22.5	ug/L	04/28/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	88				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	97				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	94				%	70 - 135
8015B - Gasoline						
Gasoline	133000	100.0	5000.0	660.0	ug/L	04/28/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	102				%	60 - 140

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

Order #: 1162836 **Client Sample ID:** TOC #063 INT-2

Matrix: WATER **Date** npled: 04/26/2011 **Time Sampled:** 10:

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	2.6	1.0	1	0.18	ug/L	04/28/11 AKK
Ethyl benzene	1.9J	1.0	5	0.21	ug/L	04/28/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	04/28/11 AKK
Toluene	22	1.0	5	0.24	ug/L	04/28/11 AKK
Xylenes, total	10	1.0	5	0.45	ug/L	04/28/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	84				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
Surr3 - Toluene-d8	106				%	70 - 135
Surr4 - p-Bromofluorobenzene	92				%	70 - 135
8015B - Gasoline						
Gasoline	111	1.0	50	6.6	ug/L	04/28/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	98				%	60 - 140

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

Order #: 1162837
Matrix: WATER

Client Sample ID: TOC #063 INT-1
Date Sampled: 04/26/2011 **Time Sampled:** 10:

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	04/28/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	04/28/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	04/28/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	04/28/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	04/28/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	85				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	107				%	70 - 135
Surr4 - p-Bromofluorobenzene	91				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	04/28/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	100				%	60 - 140

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

Order #: 1162838 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	04/27/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	04/27/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	04/27/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	04/27/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	04/27/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	82				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	04/27/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	102				%	60 - 140

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

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: April 27, 2011

Analysis Date 4/27/11-4/28/11

Lab ID#'s in Batch: 273842 , 273997 , 273714 , 273651 , 273649 , 274035 , 274012 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	477	482	95	96	1

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	102
LCS	103
LCSD	104

BFB = p-Bromofluorobenzene

'SOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 273994-587
Date Prepared: April 27, 2011
Date Analyzed: 4/27-4/28/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 273994, 273993, 273843, 273932, 273998, 274021, 274006, 274001, 274012, 274035

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.0	50.0	100	100	0	22	59 - 172
MTBE	0.00	50.0	51.4	55.0	103	110	7	24	62 - 137
Benzene	0.00	50.0	52.2	52.2	104	104	0	24	62 - 137
Trichloroethene	0.00	50.0	48.1	47.5	96	95	1	21	66 - 142
Toluene	0.00	50.0	53.1	53.4	106	107	1	21	59 - 139
Chlorobenzene	0.00	50.0	54.4	52.4	109	105	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	48.3	97	59 - 172
MTBE	50.0	53.0	106	62 - 137
Benzene	50.0	49.7	99	62 - 137
Trichloroethene	50.0	45.0	90	66 - 142
Toluene	50.0	51.4	103	59 - 139
Chlorobenzene	50.0	51.2	102	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	81	82		88	92		88	70 - 135
1,2-Dichloroethane-d4	116	117		97	102		95	70 - 135
Toluene-d8	106	104		105	106		105	70 - 135
p-Bromofluorobenzene	88	99		94	93		93	70 - 135

`SOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 274002-702
Date Prepared: April 28, 2011
Date Analyzed: 4/28-4/29/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 274022, 272888, 274005, 274035, 274095, 274006, 273714, 274106, 274065, 274107, 274060 274012

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	53.3	49.7	107	99	7	22	59 - 172
MTBE	0.00	50.0	51.6	58.3	103	117	12	24	62 - 137
Benzene	0.00	50.0	53.9	52.3	108	105	3	24	62 - 137
Trichloroethene	0.00	50.0	49.8	47.9	100	96	4	21	66 - 142
Toluene	0.00	50.0	55.1	53.6	110	107	3	21	59 - 139
Chlorobenzene	0.00	50.0	54.9	54.3	110	109	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	46.4	93	59 - 172
MTBE	50.0	57.0	114	62 - 137
Benzene	50.0	48.1	96	62 - 137
Trichloroethene	50.0	41.5	83	66 - 142
Toluene	50.0	49.7	99	59 - 139
Chlorobenzene	50.0	50.8	102	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	84		91	91		88	70 - 135
1,2-Dichloroethane-d4	113	123		99	96		95	70 - 135
Toluene-d8	106	105		105	103		101	70 - 135
p-Bromofluorobenzene	93	90		91	93		90	70 - 135

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: Toc#063
Date Received: 4-27-11 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: GSO TRK# 106683784

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other ___
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?	✓		
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: 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: _____ Date: 4-27-11

Chain of Custody Record

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

2740350

Company	THRIFTY OIL CO.	Phone	(562) 921-7510
Project Manager	JEFF FURUKUSUMA	Fax	(562) 921-3581
Project Name	SYSTEM WATER SAMPLING	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA. 94609	A.L. Job No.	Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015B)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INLET		04-26-11	10:00	H_2O	4 - VOA	NONE	X	X	X	
2	INT-2		04-26-11	10:10	H_2O	4 - VOA	NONE	X	X	X	
3	INT-1		04-26-11	10:20	H_2O	4 - VOA	NONE	X	X	X	
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Analysis Requested

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

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

	1.	2.	3.
Relinquished by Sampler:	F.M.C		
Signature:			
Printed Name:	SERRANO P		
Date: / Time:	04.26.11 / 15:30	/	/
Received By:	G.S.O.	A.L.	
Signature:			
Printed Name:		Juan Montoya	
Date: / Time:	/	4-27-11 / 10:30	/

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

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 272234
REPORTED 04/01/2011
RECEIVED 03/24/2011

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
1155071	TOC #063 Inlet
1155072	TOC #063 Int-2
1155073	TOC #063 Int-1
1155074	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1155071 **Client Sample ID:** TOC #063 Inlet

Matrix: WATER **Date Sampled:** 03/22/2011 **Time Sampled:** 11:0

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	106	1.0	1	0.18	ug/L	03/28/11 RP
Ethyl benzene	572	50.0	250.0	10.5	ug/L	03/30/11 RP
Methyl-tert-butylether (MTBE)	22	1.0	1.0	0.19	ug/L	03/28/11 RP
Toluene	1550	50.0	250.0	12.0	ug/L	03/30/11 RP
Xylenes, total	3380	50.0	250.0	22.5	ug/L	03/30/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
Surr3 - Toluene-d8	105				%	70 - 135
Surr4 - p-Bromofluorobenzene	130				%	70 - 135
8015B - Gasoline						
Gasoline	16900	10.0	500.0	66.0	ug/L	03/25/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	107				%	60 - 140

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

Order #: 1155072 **Client Sample ID:** TOC #063 Int-2

Matrix: WATER **Date Sampled:** 03/22/2011 **Time Sampled:** 11:1(

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	238	20.0	20.0	3.6	ug/L	03/26/11 RP
Ethyl benzene	289	20.0	100.0	4.2	ug/L	03/26/11 RP
Methyl-tert-butylether (MTBE)	ND	20.0	20.0	3.8	ug/L	03/26/11 RP
Toluene	2830	20.0	100.0	4.8	ug/L	03/26/11 RP
Xylenes, total	1640	20.0	100.0	9.0	ug/L	03/26/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	96				%	70 - 135
8015B - Gasoline						
Gasoline	17400	20.0	1000.0	132.0	ug/L	03/26/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	106				%	60 - 140

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

Order #: 1155073 **Client Sample ID:** TOC #063 Int-1

Matrix: WATER **Date S pled:** 03/22/2011 **Time Sampled:** 11:2

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	03/26/11 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	03/26/11 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	03/26/11 RP
Toluene	ND	1.0	5	0.24	ug/L	03/26/11 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	03/26/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	03/26/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	109				%	60 - 140

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

Order #: 1155074 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	03/26/11 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	03/26/11 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	03/26/11 RP
Toluene	ND	1.0	5	0.24	ug/L	03/26/11 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	03/26/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	03/24/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	106				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: March 24, 2011

Analysis Date 3/24/11-3/25/11

Lab ID#'s in Batch: 272236 , 272234 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	439	447	88	89	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	106
LCS	112
LCSD	113

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *LCS / LCSD Water Sample*
Date Prepared: March 28, 2011
Date Analyzed: 3/28-3/29/11
Sample Matrix: Water
Units: µg/L
Lab ID#'s in Batch: 272184, 272234, 272236, 272345, 272295, 270064

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	49.9	49.1	100	98	2	22	59 - 172
MTBE	50.0	47.4	46.0	95	92	3	24	62 - 137
Benzene	50.0	49.4	49.6	99	99	0	24	62 - 137
Trichloroethene	50.0	59.1	55.6	118	111	6	21	66 - 142
Toluene	50.0	51.6	50.2	103	100	3	21	59 - 139
Chlorobenzene	50.0	54.1	51.0	108	102	6	21	60 - 133

Surrogate Recovery

Compound	MB1 % Rec	MB 2 % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	94	95		91	99	70 - 145
1,2-Dichloroethane-d4	106	102		114	99	70 - 145
Toluene-d8	104	107		106	105	70 - 145
p-Bromofluorobenzene	124	133		129	128	70 - 145

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *LCS / LCSD Water Sample*
Date Prepared: March 29, 2011
Date Analyzed: 3/29-3/30/11
Sample Matrix: Water
Units: µg/L
Lab ID#'s in Batch: 272415, 272385, 272401, 272359, 272234

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	50.5	47.5	101	95	6	22	59 - 172
MTBE	50.0	36.5	45.7	73	91	22	24	62 - 137
Benzene	50.0	47.5	48.0	95	96	1	24	62 - 137
Trichloroethene	50.0	60.3	54.9	121	110	9	21	66 - 142
Toluene	50.0	53.6	47.5	107	95	12	21	59 - 139
Chlorobenzene	50.0	52.5	50.5	105	101	4	21	60 - 133

Surrogate Recovery

Compound	MB1 % Rec			LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	91			96	94	70 - 145
1,2-Dichloroethane-d4	103			93	101	70 - 145
Toluene-d8	110			107	106	70 - 145
p-Bromofluorobenzene	108			123	110	70 - 145

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *MS/MSD Water Sample* 271992-099
Date Prepared: March 25, 2011
Date Analyzed: 3/25-3/26/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 271902, 272039, 272038, 271992, 272136, 272184, 272183, 272234

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	60.2	54.9	120	110	9	22	59 - 172
MTBE	0.00	50.0	56.7	50.5	113	101	12	24	62 - 137
Benzene	0.00	50.0	54.5	47.8	109	96	13	24	62 - 137
Trichloroethene	0.00	50.0	53.6	47.2	107	94	13	21	66 - 142
Toluene	0.00	50.0	49.2	48.0	98	96	2	21	59 - 139
Chlorobenzene	0.00	50.0	52.6	48.9	105	98	7	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	45.4	91	59 - 172
MTBE	50.0	48.9	98	62 - 137
Benzene	50.0	42.9	86	62 - 137
Trichloroethene	50.0	45.6	91	66 - 142
Toluene	50.0	44.6	89	59 - 139
Chlorobenzene	50.0	46.1	92	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	102	100		101	101		101	70 - 135
1,2-Dichloroethane-d4	107	101		104	104		97	70 - 135
Toluene-d8	106	102		96	98		102	70 - 135
p-Bromofluorobenzene	101	103		93	96		99	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Project: System Water Sampling
Date Received: 3-24-11
Sampler's Name: Yes No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: ESO TRK# 1006279 01

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other ___
Cooler or box temperature: 4°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: 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: [signature] Date: 3-24-11

Chain of Custody Record

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

A.L. Job No. 272234

Page 1 of 1

Company	THRIFTY OIL CO.
Project Manager	JEFF SUYAKUSUMA
Project Name	SYSTEM WATER SAMPLING
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA. 94609
Phone	(562) 921-3581
Fax	(562) 921-7510
Project #	062

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015B)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INLET		03.22.11	11:00	H_2O	4-VOA	NONE	X	X	X	
2	INT.-2		03.22.11	11:10	H_2O	4-VOA	NONE	X	X	X	
3	INT.-1		03.22.11	11:20	H_2O	4-VOA	NONE	X	X	X	
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Analysis Requested

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

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

	1.	2.	3.
Relinquished by Sampler:	E.M.C.		
Signature:			
Printed Name:	SERBITH P.		
Date: / Time:	03.23.11 / 15:30	/	/
Received By:	G.S.O.		
Signature:			
Printed Name:			
Date: / Time:	3-24-11 / 9:30	/	/

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

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 269446
REPORTED 02/09/2011
RECEIVED 02/03/2011

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
1143564	TOC #063 Total Inlet
1143565	TOC #063 MW-4
1143566	TOC #063 MW-3
1143567	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1143564 **Client Sample ID:** TOC #063 Total Inlet

Matrix: WATER **Date Sampled:** 02/02/2011 **Time Sampled:** 09:0[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	166	1.0	1	0.18	ug/L	02/04/11 AKK
Ethyl benzene	716	50.0	250.0	10.5	ug/L	02/04/11 AKK
Methyl-tert-butylether (MTBE)	37	1.0	1	0.19	ug/L	02/04/11 AKK
Toluene	3300	50.0	250.0	12.0	ug/L	02/04/11 AKK
Xylenes, total	6030	50.0	250.0	22.5	ug/L	02/04/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	96				%	70 - 135
Surr3 - Toluene-d8	105				%	70 - 135
Surr4 - p-Bromofluorobenzene	121				%	70 - 135
8015B - Gasoline						
Gasoline	15300	20.0	1000.0	132.0	ug/L	02/04/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	104				%	60 - 140

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

Order #: 1143565 **Client Sample ID:** TOC #063 MW-4

Matrix: WATER **Date Sampled:** 02/02/2011 **Time Sampled:** 09:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	105	1.0	1	0.18	ug/L	02/04/11 AKK
Ethyl benzene	217	10.0	50.0	2.1	ug/L	02/08/11 AKK
Methyl-tert-butylether (MTBE)	31	1.0	1	0.19	ug/L	02/04/11 AKK
Toluene	1290	10.0	50.0	2.4	ug/L	02/08/11 AKK
Xylenes, total	1150	10.0	50.0	4.5	ug/L	02/08/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	104				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015B - Gasoline						
Gasoline	7730	10.0	500.0	66.0	ug/L	02/06/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	107				%	60 - 140

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

Order #: 1143566 **Client Sample ID:** TOC #063 MW-3

Matrix: WATER **Date Sampled:** 02/02/2011 **Time Sampled:** 09:3[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	107	1.0	1	0.18	ug/L	02/04/11 AKK
Ethyl benzene	230	10.0	50.0	2.1	ug/L	02/08/11 AKK
Methyl-tert-butylether (MTBE)	44	1.0	1	0.19	ug/L	02/04/11 AKK
Toluene	1390	10.0	50.0	2.4	ug/L	02/08/11 AKK
Xylenes, total	1320	10.0	50.0	4.5	ug/L	02/08/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 135
Surr3 - Toluene-d8	103				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	7630	10.0	500.0	66.0	ug/L	02/04/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	105				%	60 - 140

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

Order #: 1143567 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	02/08/11 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	02/08/11 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	02/08/11 RP
Toluene	ND	1.0	5	0.24	ug/L	02/08/11 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	02/08/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	98				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	123				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	02/03/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	104				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: February 6, 2011

Analysis Date 2/6/11-2/7/11

Lab ID#'s in Batch: 269442 , 269484 , 269485 , 269445 , 269446 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	413	414	83	83	0

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	104
LCS	111
LCSD	110

BFB = p-Bromofluorobenzene

A' OCIATED LABORATORIES
QA REPORT FORM

QC Sample: 269442-549_10ml-MS

Matrix: WATER

Prep. Date: February 3, 2011

Analysis Date: 2/3/11-2/4/11

Lab ID#'s in Batch: 269442 , 269445 , 269446 .

Reporting Units = ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
TPH	8015M-G	ND	500	381	366	76	73	4	30	70-130

LAB CONTROLLED SPIKE

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits %REC
TPH	8015M-G	ND	500	420	84	70-130

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
QA Sample	107
MS	108
MSD	108
Method Blank	104
LCS	111

BFB=p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 269418-421
Date Prepared: February 3, 2011
Date Analyzed: 2/3-2/4/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 269344, 269418, 269422, 269445, 269446, 269421

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	58.8	58.2	118	116	1	22	59 - 172
MTBE	0.00	50.0	50.3	49.6	101	99	1	24	62 - 137
Benzene	0.00	50.0	54.8	53.0	110	106	3	24	62 - 137
Trichloroethene	0.00	50.0	58.8	53.1	118	106	10	21	66 - 142
Toluene	0.00	50.0	57.5	54.3	115	109	6	21	59 - 139
Chlorobenzene	0.00	50.0	59.1	56.5	118	113	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	50.7	101	59 - 172
MTBE	50.0	49.4	99	62 - 137
Benzene	50.0	52.1	104	62 - 137
Trichloroethene	50.0	45.7	91	66 - 142
Toluene	50.0	48.4	97	59 - 139
Chlorobenzene	50.0	51.3	103	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	95	96		95	98		97	70 - 135
1,2-Dichloroethane-d4	119	108		87	88		93	70 - 135
Toluene-d8	99	100		100	97		98	70 - 135
p-Bromofluorobenzene	101	106		105	110		103	70 - 135

A SOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 269467-611
Date Prepared: February 4, 2011
Date Analyzed: February 4, 2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 269421, 269467, 269419, 269344, 269445, 269446

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	58.6	58.2	117	116	1	22	59 - 172
MTBE	0.00	50.0	42.6	46.4	85	93	9	24	62 - 137
Benzene	0.00	50.0	52.7	51.3	105	103	3	24	62 - 137
Trichloroethene	0.00	50.0	54.5	52.4	109	105	4	21	66 - 142
Toluene	0.00	50.0	55.0	52.0	110	104	6	21	59 - 139
Chlorobenzene	0.00	50.0	53.8	51.6	108	103	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.6	105	59 - 172
MTBE	50.0	49.7	99	62 - 137
Benzene	50.0	53.0	106	62 - 137
Trichloroethene	50.0	49.1	98	66 - 142
Toluene	50.0	51.6	103	59 - 139
Chlorobenzene	50.0	52.8	106	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			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	91			93	96		97	70 - 135
1,2-Dichloroethane-d4	106			81	85		91	70 - 135
Toluene-d8	96			104	101		102	70 - 135
p-Bromofluorobenzene	103			115	128		102	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *MS/MSD Water Sample* 269485-693
Date Prepared: February 7, 2011
Date Analyzed: 2/7-2/8/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 269485, 269488, 269446, 269421

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	48.0	47.6	96	95	1	22	59 - 172
MTBE	0.00	50.0	48.5	51.7	97	103	6	24	62 - 137
Benzene	0.00	50.0	44.6	42.8	89	86	4	24	62 - 137
Trichloroethene	36.40	50.0	72.5	70.8	72	69	2	21	66 - 142
Toluene	0.00	50.0	43.1	43.7	86	87	1	21	59 - 139
Chlorobenzene	0.00	50.0	45.2	45.3	90	91	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.6	99	59 - 172
MTBE	50.0	54.5	109	62 - 137
Benzene	50.0	45.7	91	62 - 137
Trichloroethene	50.0	46.0	92	66 - 142
Toluene	50.0	45.9	92	59 - 139
Chlorobenzene	50.0	46.8	94	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	111	98		97	101		106	70 - 135
1,2-Dichloroethane-d4	131	123		105	104		110	70 - 135
Toluene-d8	100	99		97	98		97	70 - 135
p-Bromofluorobenzene	106	100		82	90		99	70 - 135

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: #063
Date Received: 02-03-11 Sampler's Name: ~~Yes~~ No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: GSO 106827905 PEEL OFF HERE

Section 2
Was the cooler packed with: X Ice ___ Ice Packs X Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 2.0C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: 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: M. Ebert Date: 02/03/11

Chain of Custody Record

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

Company	THRIFTY OIL CO.	Phone	(562) 921-3581
Project Manager	JEFF SURYAKUSUMA	Fax	(562) 921-9510
Project Name	SYSTEM WATER SAMPLING	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA. 94609		

A.L. Job No. 269446 ✓ Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-D (8015)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	TOTAL INLET		02.02.11	9:00	H_2O	4-VOA	HCl	X	X	X	
2	MW-4		02.02.11	9:15	H_2O	4-VOA	HCl	X	X	X	
3	MW-3		02.02.11	9:30	H_2O	4-VOA	HCl	X	X	X	
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

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

	1. Relinquished by Sampler:	2. Relinquished by	3. Relinquished by
Signature:	EMC.		
Printed Name:	JEREMY P.		
Date:	02.02.11 Time: 15:30	Date: Time:	Date: Time:
Received By:	G.S.O. 1.	2.	3.
Signature:			
Printed Name:			
Date:	Time:	02/03/11 Time: 09:09	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

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 268469
REPORTED 01/20/2011
RECEIVED 01/17/2011

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
1139303	TOC #063 Inlet
1139304	TOC #063 Int-2
1139305	TOC #063 Int-1
1139306	Laboratory Metehod 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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1139303 **Client Sample ID:** TOC #063 Inlet

Matrix: WATER **Date Sampled:** 01/13/2011 **Time Sampled:** 13:3

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	3220	200.0	200.0	36.0	ug/L	01/18/11 AKK
Ethyl benzene	7000	200.0	1000.0	42.0	ug/L	01/18/11 AKK
Methyl-tert-butylether (MTBE)	ND	10.0	10.0	1.9	ug/L	01/17/11 AKK
Toluene	37800	200.0	1000.0	48.0	ug/L	01/18/11 AKK
Xylenes, total	59400	200.0	1000.0	90.0	ug/L	01/18/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 135
Surr3 - Toluene-d8	93				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015B - Gasoline						
Gasoline	208000	100.0	5000.0	660.0	ug/L	01/17/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	135				%	60 - 140

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

Order #: 1139304 **Client Sample ID:** TOC #063 Int-2

Matrix: WATER **Date Sampled:** 01/13/2011 **Time Sampled:** 13:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	380	5.0	5.0	0.9	ug/L	01/17/11 AKK
Ethyl benzene	1100	5.0	25.0	1.05	ug/L	01/17/11 AKK
Methyl-tert-butylether (MTBE)	15	5.0	5.0	0.95	ug/L	01/17/11 AKK
Toluene	4910	100.0	500.0	24.0	ug/L	01/18/11 AKK
Xylenes, total	8850	100.0	500.0	45.0	ug/L	01/18/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	84				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	77				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	115				%	70 - 135
8015B - Gasoline						
Gasoline	37100	40.0	2000.0	264.0	ug/L	01/18/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	100				%	60 - 140

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

Order #: 1139305 **Client Sample ID:** TOC #063 Int-1

Matrix: WATER **Date Sampled:** 01/13/2011 **Time Sampled:** 13:5[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	01/18/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	01/18/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	01/18/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	01/18/11 AKK
Xylenes, total	2.3J	1.0	5	0.45	ug/L	01/18/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	90				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	117				%	70 - 135
Surr3 - Toluene-d8	96				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	01/17/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	70				%	60 - 140

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

Order #: 1139306 **Client Sample ID:** Laboratory Metehod Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	01/18/11 AKK
Ethyl benzene	ND	1.0	5	0.21	ug/L	01/18/11 AKK
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	01/18/11 AKK
Toluene	ND	1.0	5	0.24	ug/L	01/18/11 AKK
Xylenes, total	ND	1.0	5	0.45	ug/L	01/18/11 AKK
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113				%	70 - 135
Surr3 - Toluene-d8	93				%	70 - 135
Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	01/17/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	74				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: January 17, 2011

Analysis Date 1/17/11-1/18/11

Lab ID#'s in Batch: 268281, 268468, 268469, 268419

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	429	434	86	87	1

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	74
LCS	79
LCSD	89

BFB = p-Bromofluorobenzene

SSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 268468-300
Date Prepared: January 18, 2011
Date Analyzed: 1/18-1/19/11
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 268517, 268468, 268469, 268419, 268579

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.8	50.1	102	100	1	22	59 - 172
MTBE	0.00	50.0	48.2	48.6	96	97	1	24	62 - 137
Benzene	0.00	50.0	47.8	46.9	96	94	2	24	62 - 137
Trichloroethene	0.00	50.0	46.2	45.7	92	91	1	21	66 - 142
Toluene	0.00	50.0	48.1	48.7	96	97	1	21	59 - 139
Chlorobenzene	0.00	50.0	48.6	49.3	97	99	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	48.2	96	59 - 172
MTBE	50.0	48.7	97	62 - 137
Benzene	50.0	45.7	91	62 - 137
Trichloroethene	50.0	48.1	96	66 - 142
Toluene	50.0	51.3	103	59 - 139
Chlorobenzene	50.0	52.8	106	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	91	91		96	94		93	70 - 135
1,2-Dichloroethane-d4	113	115		89	87		81	70 - 135
Toluene-d8	93	98		99	99		97	70 - 135
p-Bromofluorobenzene	102	108		103	105		104	70 - 135

SSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 268450-257
Date Prepared: January 17, 2011
Date Analyzed: 1/17-1/18/2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 268450, 268453, 268469, 268468

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene*	0.00	50.0	50.8	64.2	102	128	23	22	59 - 172
MTBE	0.00	50.0	38.4	47.8	77	96	22	24	62 - 137
Benzene*	0.00	50.0	47.1	60.9	94	122	26	24	62 - 137
Trichloroethene*	0.00	50.0	44.1	56.2	88	112	24	21	66 - 142
Toluene	0.00	50.0	56.3	65.3	113	131	15	21	59 - 139
Chlorobenzene	0.00	50.0	43.7	52.8	87	106	19	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	51.0	102	59 - 172
MTBE	50.0	48.2	96	62 - 137
Benzene	50.0	48.6	97	62 - 137
Trichloroethene	50.0	46.1	92	66 - 142
Toluene	50.0	47.4	95	59 - 139
Chlorobenzene	50.0	51.0	102	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			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	96			94	96		92	70 - 135
1,2-Dichloroethane-d4	120			90	92		88	70 - 135
Toluene-d8	93			97	98		93	70 - 135
p-Bromofluorobenzene	99			112	109		102	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Project: System water Sampling
Date Received: 1-17-11
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: 650 T12KH 106627904

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other ___
Cooler or box temperature: 2.0°c

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓	✓	
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: 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: [signature] Date: 1-17-11

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

Chain of Custody Record

A.L. Job No. 268469 ✓ Page 1 of 1

Company	THRIFTY OIL CO.	Phone	(562) 921-3581
Project Manager	JEFF SUDYAKUSUMA	Fax	(562) 921-7540
Project Name	SYSTEM WATER SAMPLING	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA 94609		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015B)	BTEX (8260B)	MTBE (8260B)	Analysis Requested	Test Instructions & Comments
1	INLET		01.13.M	13:30	H_2O	4-VOA	HCl	X	X	X		
2	INT-2		01.13.M	13:40	H_2O	4-VOA	HCl	X	X	X		
3	INT-1		01.13.M	13:50	H_2O	4-VOA	HCl	X	X	X		
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Sample Receipt - To Be Filled By Laboratory

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

Turn Around Time

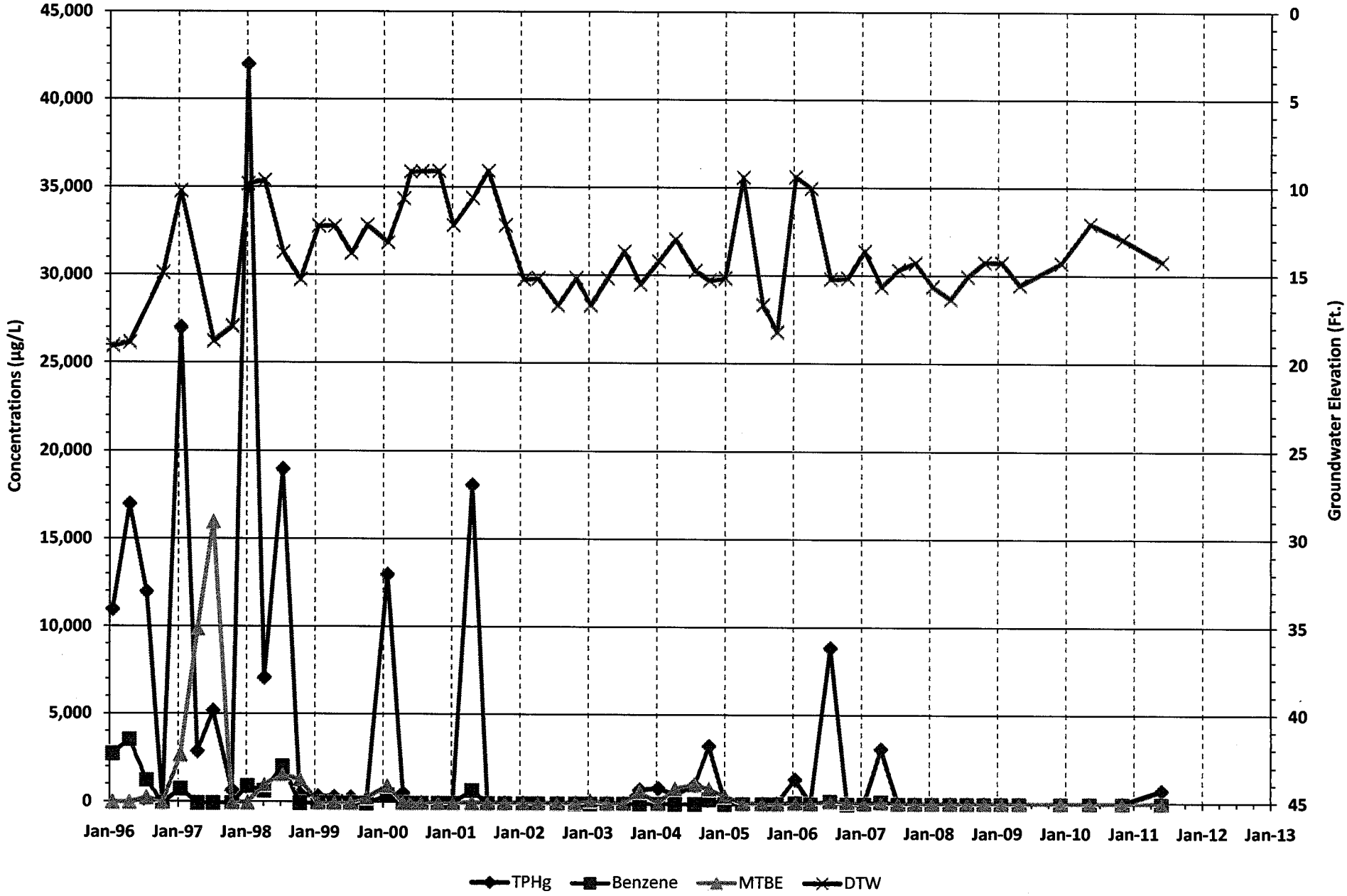
☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:	FMC		
Signature:			
Printed Name:	STEPHEN T		
Date: / Time:	01.13.M 15:30		
Received By:	G.S.O.		
Signature:			
Printed Name:			
Date: / Time:	1-12-11 9:19		

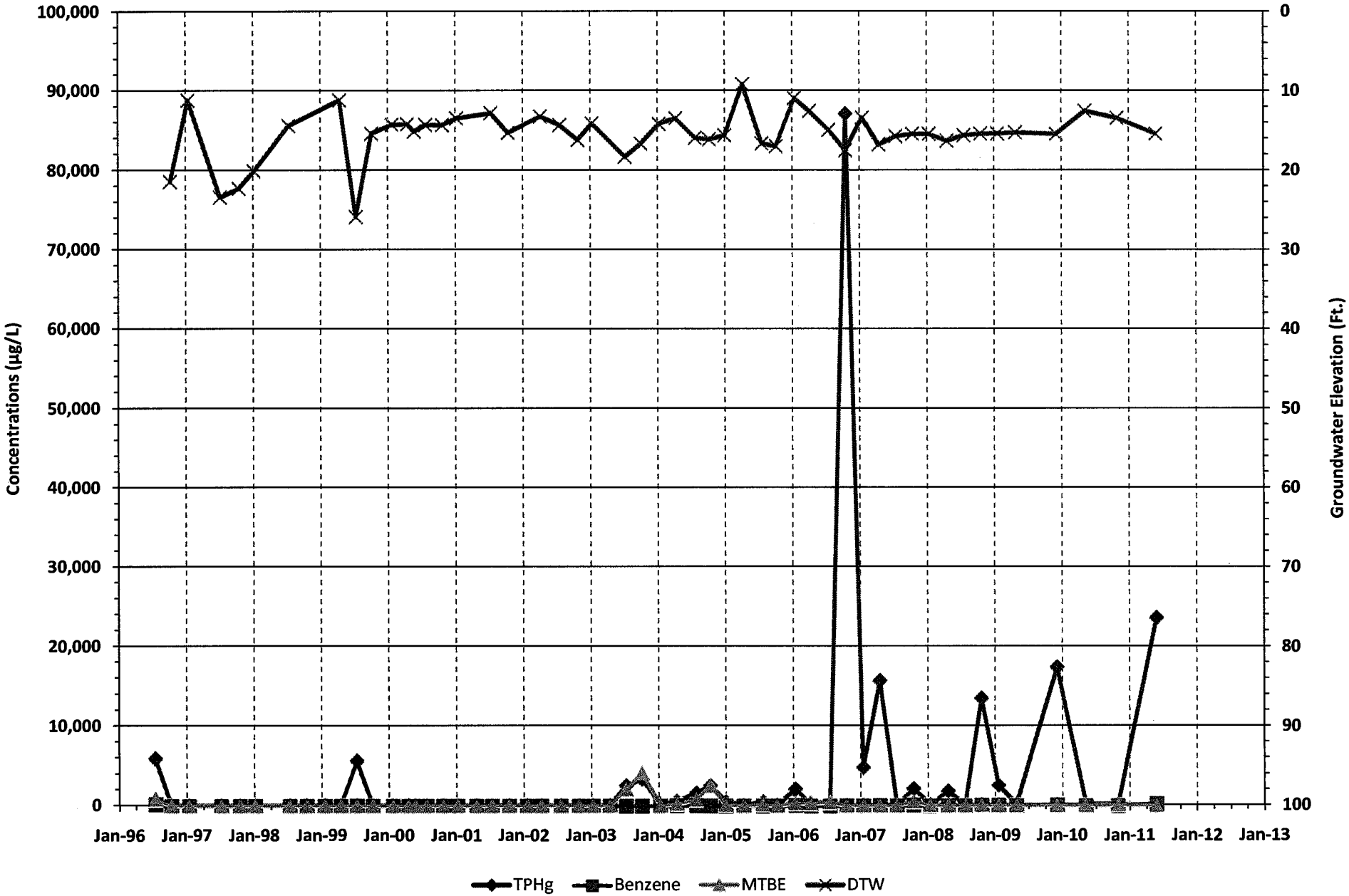
Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

APPENDIX E

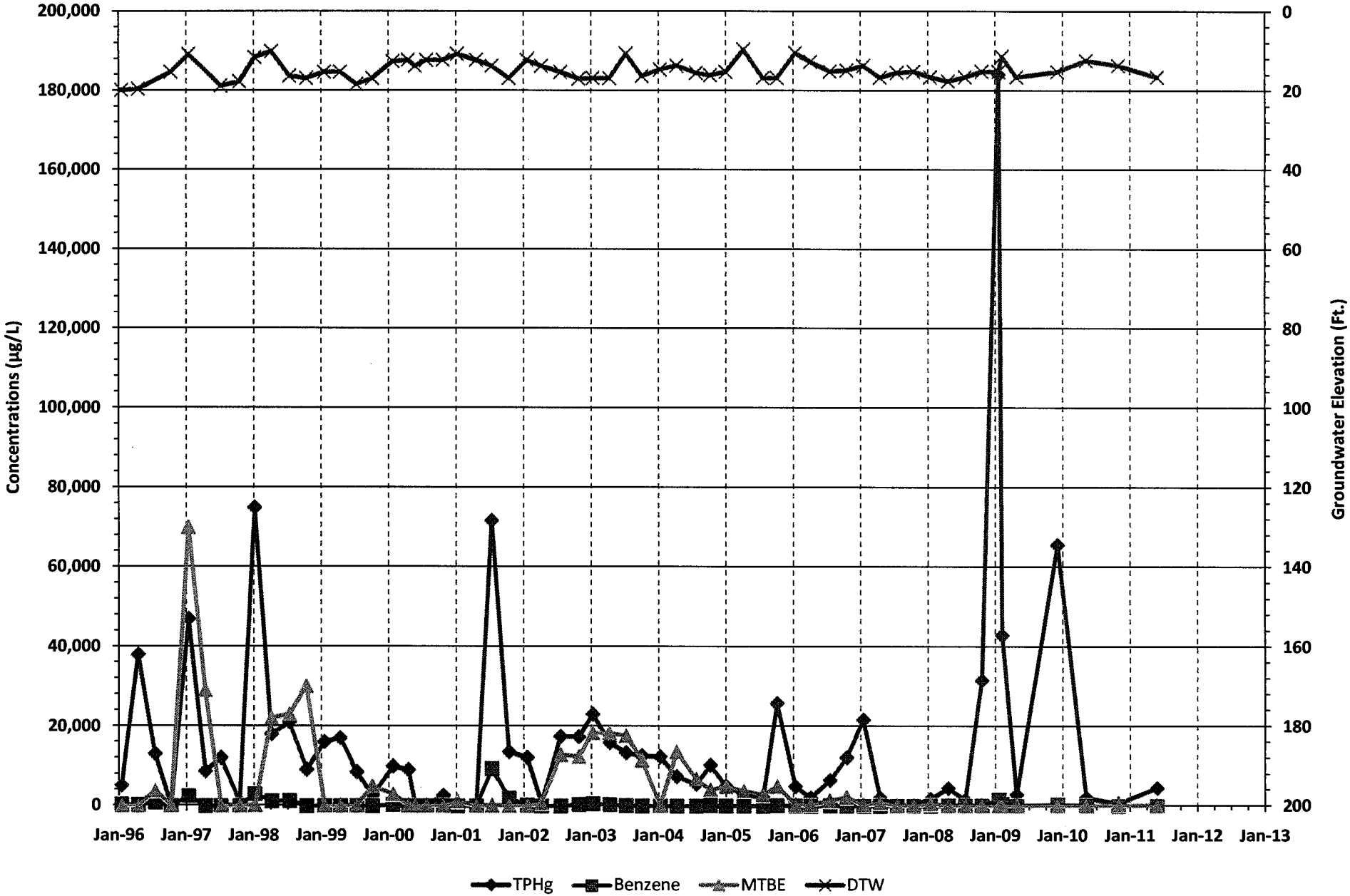
Concentrations for MW-1
Thrifty Oil Station #063 Oakland, CA, 94609



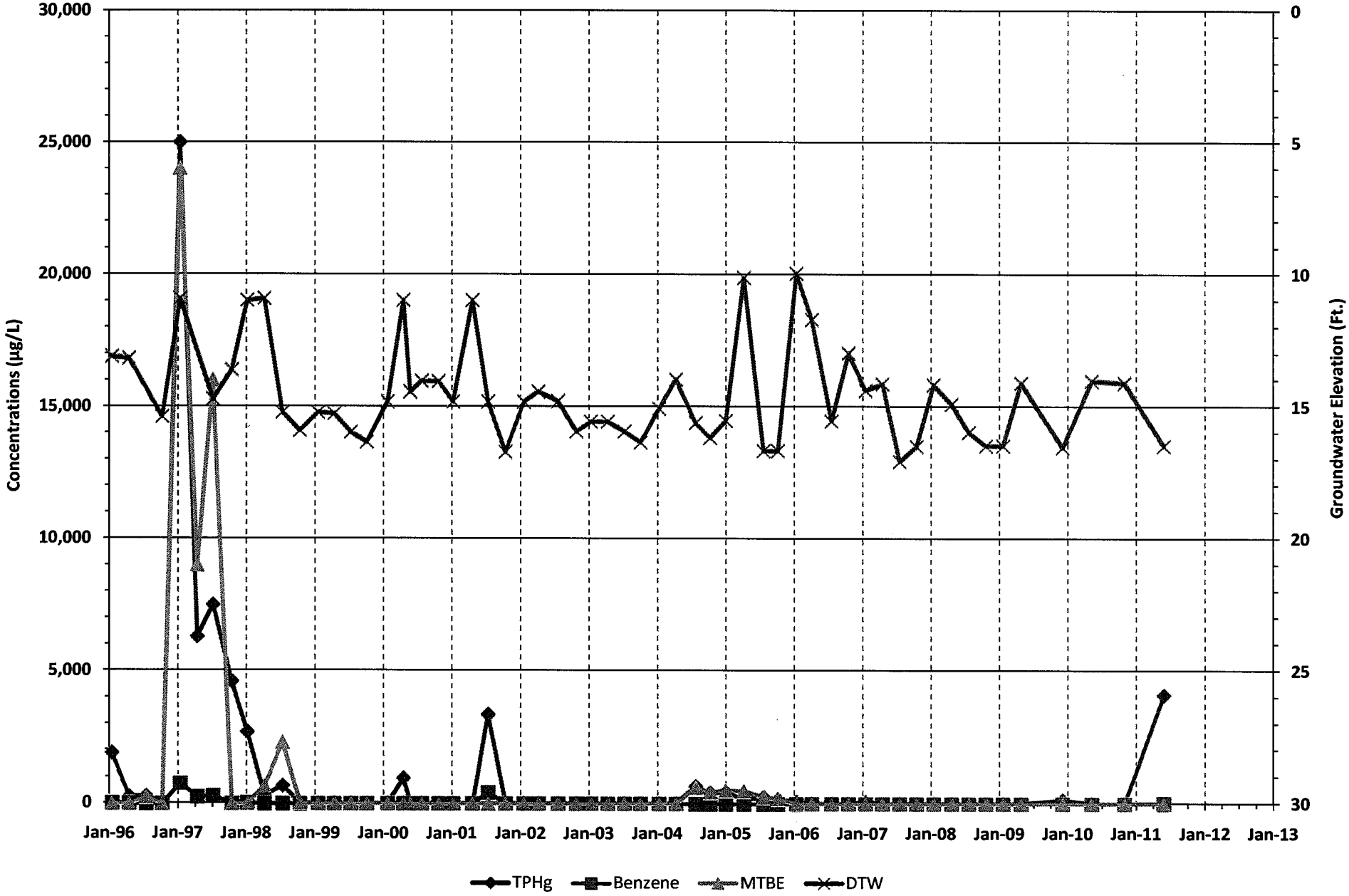
Concentrations for MW-3
Thrifty Oil Station #063 Oakland, CA, 94609



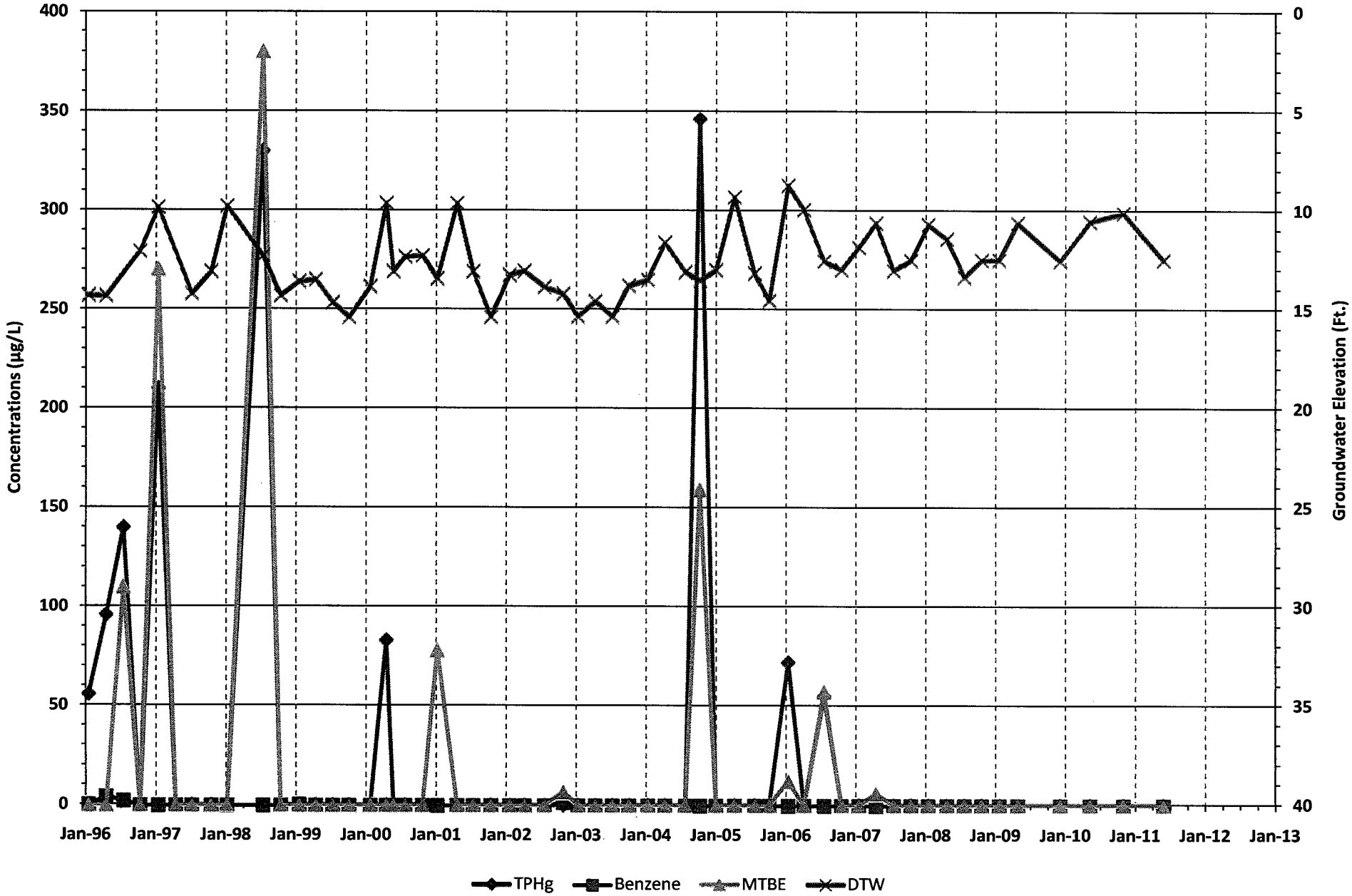
Concentrations for MW-4
Thrifty Oil Station #063 Oakland, CA, 94609



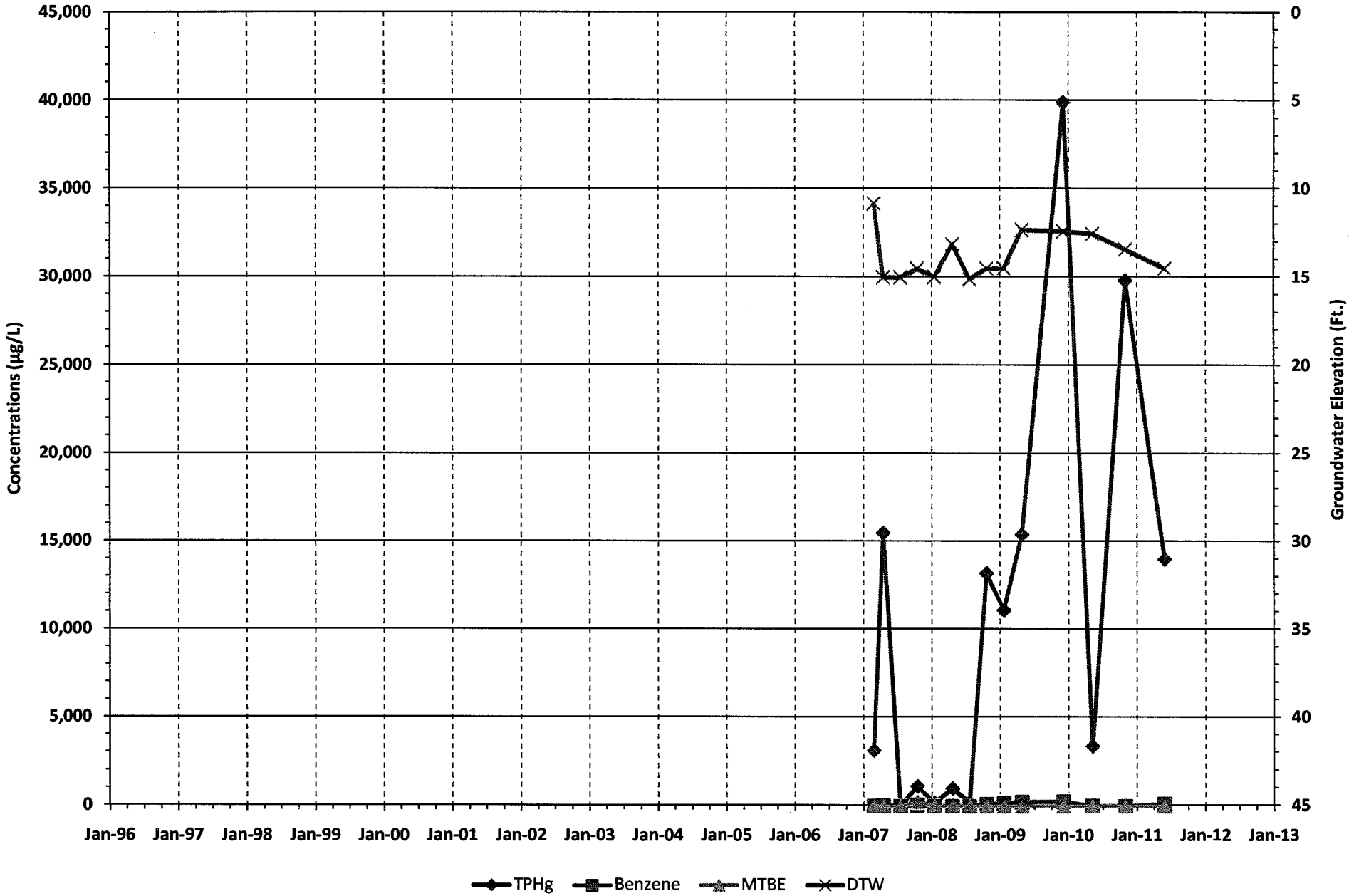
Concentrations for MW-5
Thrifty Oil Station #063 Oakland, CA, 94609



Concentrations for MW-6
Thrifty Oil Station #063 Oakland, CA, 94609



Concentrations for MW-7
Thrifty Oil Station #063 Oakland, CA, 94609



Concentrations for MW-8
Thrifty Oil Station #063 Oakland, CA, 94609