THRIFTY OIL CO.

January 13, 2012 **O.12257**

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 # **1853820085**
Global ID: **T0600101366**

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

Dear Mr. Khatri:

Presented herein is the Second 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 Second 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.

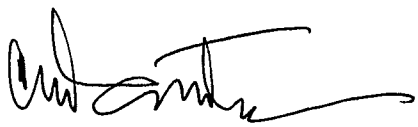
As confirmed by soil vapor, soil, and groundwater sampling conducted in the First Half of 2011 and described in the *First Semester 2011, Status Report and Request for Low Risk Case Closure* dated July 6, 2011, Thrifty believes that the residual dissolved-phase hydrocarbons at the site pose little to no risk to human health or the environment. Thrifty therefore again respectfully requests that the ACHCS grant low risk 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.

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

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

Second Semester 2011

Reporting Period: 07/01/2011 to 12/31/2011

Site Information:

Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	**1853820085**
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:	December 14, 2011
Date(s) sampled:	December 14, 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 December 14, 2011 data):

Depth to groundwater (feet bgs):	10.13 to 14.11
Groundwater elevation (feet above mean sea level):	134.75 to 138.25
Groundwater gradient and flow direction:	West at approximately 0.04 ft./ft.
Consistent with previous reporting period:	Generally, yes

Groundwater Conditions (based on December 14, 2011 data):

TPHg concentration (ug/L):	ND<6.6 to 136,000 (MW-7)
Benzene concentration (ug/L):	ND<0.18 to 500 (MW-7)
Toluene concentration (ug/L):	ND<0.24 to 11,000 (MW-7)

Ethyl benzene concentration (ug/L):	ND<0.21 to 2,700 (MW-7)
Total Xylenes concentration (ug/L):	ND<0.45 to 14,000(MW-7)
MTBE concentration (ug/L):	ND<0.19 to 15 (MW-4)
DIPE concentration (ug/L):	ND<0.2 to ND<4
ETBE concentration (ug/L):	ND<0.23 to ND<4.6
TAME concentration (ug/L):	ND<0.19 to <3.8
TBA concentration (ug/L):	ND<5.2 to 140 (MW-4)

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:	Mobile HVDPE
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:	0
Cumulative GW removed (gals)	18,290 (Treated by on-site GWPT system)
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.):	26,350 (6/21/11 to 12/27/11)
Total GW discharge (gal.):	3,431,529 (through 12/27/11)

Total Remediation Achievements through December 27, 2011

Total gallons of groundwater removed:	3,431,529
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 December 14, 2011, groundwater monitoring data is presented in **Figure 2.** The groundwater flow direction is to the west at an approximate gradient of 0.04 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 December 14, 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 December 14, 2011 indicate that the highest concentrations of TPHg and benzene were detected in well MW-7 at 136,000 micrograms per liter (µg/L) and 500 µg/L, respectively. MTBE and TBA were only detected in one well (MW-4) at 15 µg/L and 140 µg/L, respectively. All other oxygenated compounds were not detected at or above laboratory detection limits in any of the wells.

TPHg, benzene, MTBE, and TBA isoconcentration maps were prepared using results from the December 14, 2011 groundwater sampling and monitoring event, and the results are presented in **Figures 3, 4, 5**, and **6,** respectively. The dissolved hydrocarbon plume remains in a stable configuration when compared to the previous sampling event.

Concentrations reported for the Second Semester 2011 for offsite and cross gradient well MW-7 increased significantly when compared to First Semester 2011 concentrations or any other previous sampling event. Thrifty believes that the Second Semester 2011 sample results for well MW-7 are anomalous and may be due to sampling or laboratory error. Thrifty intends to re-sample this well within the next 10-days and the results will be provided to you as soon as possible.

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 June 21, 2011 through December 27, 2011), the groundwater treatment system processed approximately 26,350 gallons of groundwater. The groundwater treatment system has treated a cumulative total of approximately

3,431,529 gallons of groundwater since start-up (April 1991) which includes the 18,290 gallons removed and treated during the continuous 5-day HVDPE event conducted from May 3, 2010 through May 8, 2010 and the continuous 30-day HVDPE event conducted from September 13, 2010 through October 13, 2010. 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).

In a letter dated December 29, 2008 (the Letter) the Alameda County Health Care Services (ACHCS) indicated that they would not approve the RAP until several outstanding issues have been addressed, including delineating the downgradient extent of the contamination plume and evaluating the associated human health risks.

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 extraction system.

On February 18, 2009, Thrifty submitted an *Additional Site Assessment Workplan* (ASAW). The Workplan was also prepared 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 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 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 and recommended an additional continuous 30-day HVDPE event conducted from May 3, 2010 through May 8, 2010 to remove residual contamination from the subsurface soils at the site. During the continuous 5-day HVDPE event, 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.

On September 13, 2010, Thrifty submitted an *Addendum to the Additional Site Assessment Workplan* (Workplan Addendum) in response to the ACHCS letter dated August 26, 2010 and the September 1, 2010 telephone conversation between Thrifty and the ACHCS. The telephone conversation was summarized in an email sent to the ACHCS on September 1, 2010. The Workplan Addendum proposed to install two additional off-site vapor sample points (SV-5 and SV-6) in a neighboring property. In a letter date September 30, 2010, the ACHCS provided conditional approval to install SV-5 and SV-6 with the stipulation, that in addition to vapor samples, groundwater grab samples need to be collected from each of these borings.

On November 2, 2010, Thrifty submitted a *High Vacuum Dual Phase Extraction Report and Request for Low Risk Closure* (HVDPE Report/Closure Request), 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. The HVDPE event was conducted in accordance with the June 9, 2010 HVDPER/WP, which was approved in an ACHCS

letter, dated August 26, 2010. During the HVDPE event, approximately 12,570 gallons of groundwater and 291.80 pounds of hydrocarbons (as vapor) were removed. The average hydrocarbon removal rate over the 30-day event was approximately 0.41 pounds per hour.

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. In a letter 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.

On June 15, 2011, Thrifty submitted the *Additional Site Assessment Report and Request for Closure* (ASAR) prepared by GHC and dated June 9, 2011, which summarized the results of the site assessment activities conducted on April 18 and 19, 2011. The site assessment activities included the collection of soil, soil vapor and groundwater samples from several on and off-site locations. 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 site assessment activities indicate that impacted soil is very limited and the groundwater plume is limited in concentration and extent, it is stable and shrinking and therefore Thrifty requested low-risk regulatory case closure for this site.

On July 27, 2011, and again on October 10, 2011, Thrifty emailed Paresh Khatri of the ACHCS requesting case closure based upon the results of the site assessment activities conducted on April 18 and 19, 2011.

Activities Planned for First Semester 2012

Pending low risk closure, Thrifty will perform the following activities during the next reporting period (First Semester 2012):

- Continue semi-annual groundwater monitoring, sampling; and reporting;
- Continue operations of the groundwater remediation system; and

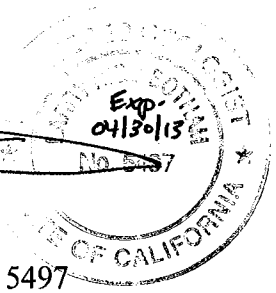
Closing Comments

Interpretations expressed herein are based solely upon data collected and provided by EMC and Associated Laboratories. 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 Geologist

Larry Higinbotham
Registered Geologist No. 5497



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	12/14/11	<6.6	<0.18	2.6 J	<0.21	5.7	<0.19	<0.2	<0.23	<0.19	<5.2	NP	12.94	29.12	0.00	148.43	135.49	2"	15 - 30
MW-3	ACT	12/14/11	25,300	38	890	340	4,900	<3.8	<4	<4.6	<3.8	<104	NP	13.43	28.20	0.00	148.94	135.51	6"	15 - 30
MW-4	ACT	12/14/11	9,350	30	520	370	2,400	15	<1	<1.15	<0.95	140	NP	13.67	29.17	0.00	148.88	135.21	2"	9 - 29
MW-5	ACT	12/14/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.2	<0.23	<0.19	<5.2	NP	14.11	26.22	0.00	149.62	135.51	4"	7 - 27
MW-6	ACT	12/14/11	<6.6	<0.18	<0.24	<0.21	1.2 J	<0.19	<0.2	<0.23	<0.19	<5.2	NP	10.13	26.78	0.00	148.38	138.25	4"	7 - 27
MW-7	ACT	12/14/11	136,000	500	11,000	2,700	14,000	<1.9	<2	<2.3	<1.9	<52	NP	13.45	17.44	0.00	148.20	134.75	2"	8 - 18
MW-8	ACT	12/14/11	<6.6	<0.18	1.3 J	<0.21	2.9 J	<0.19	<0.2	<0.23	<0.19	<5.2	NP	12.37	18.29	0.00	147.31	134.94	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
INACT	Groundwater well is NOT included in monitoring program	TPHd	= Total Petroleum Hydrocarbons as diesel	DIPE	= Isopropyl ether	DTW	= Depth To Water
DRY	Groundwater well is dry and/or cannot be sampled	B	= Benzene	ETBE	= Ethyl-tert-butyl ether	DTB	= Depth To Bottom
NOACC	Presently no access to groundwater well	T	= Toluene	TAME	= Tert-amyl methyl ether	PT	= Product Thickness
DEST	Well has been properly destroyed, no longer a conduit to subsurfa	E	= Ethylbenzene	TBA	= Tertiary butyl alcohol	GW	= Groundwater
AB	Groundwater well is abandoned, but not yet destroyed	X	= Total Xylenes				

"-"	= Not analyzed / Not available
"<"	= Less than detection level indicated
"J"	= Flag indicating value between MDL & PQL
NP	= No free product

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
12/14/11	<6.6	<0.18	2.6 J	<0.21	5.7	<0.19	NP	12.94	0.00	148.43	135.49
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

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)
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52
10/11/93	-	-	-	-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	NP	25.10	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	NP	26.04	0.00	99.76	73.72
04/15/96	-	-	-	-	-	-	NP	21.03	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	21.43	0.00	99.76	78.33
01/13/97	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	NP	23.40	0.00	99.76	76.36
10/16/97	-	-	-	-	-	-	NP	22.30	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	NP	20.10	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	NP	14.40	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-		#N/A	-	-	-
01/20/99	-	-	-	-	-	-		#N/A	-	-	-
04/16/99	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	NP	25.87	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	NP	15.40	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	NP	14.25	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	NP	14.20	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	NP	15.12	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	NP	14.30	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	NP	13.46	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-		#N/A	-	-	-
07/16/01	-	-	-	-	-	-	NP	12.80	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	NP	15.30	0.00	99.76	84.46
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

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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)
01/23/08	59	<0.18	<0.24	<0.21	3.2 J	25	NP	15.43	0.00	148.94	133.51
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
12/14/11	25,300	38	890	340	4,900	<3.8	NP	13.43	0.00	148.94	135.51
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

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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)
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	NP	16.86	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	NP	10.69	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60
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
12/14/11	9,350	30	520	370	2,400	15	NP	13.67	0.00	148.88	135.21
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	-	-	-

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)
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000		#N/A	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	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

TABLE 1
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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)
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
12/14/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.11	0.00	149.62	135.51
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

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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)
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
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
12/14/11	<6.6	<0.18	<0.24	<0.21	1.2 J	<0.19	NP	10.13	0.00	148.38	138.25
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
12/14/11	136,000	500	11,000	2,700	14,000	<1.9	NP	13.45	0.00	148.20	134.75
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

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)
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
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
12/14/11	<6.6	<0.18	1.3 J	<0.21	2.9 J	<0.19	NP	12.37	0.00	147.31	134.94

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	-	-
12/14/11	<0.2	<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	-	-
05/19/10	<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)*
11/10/10	<0.20	<0.23	<0.19	158	-	-
06/08/11	<4.0	<4.6	<3.8	<104.0	-	-
12/14/11	<4	<4.6	<3.8	<104	-	-
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	-	-
12/14/11	<1	<1.15	<0.95	140	-	-
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	-	-
12/14/11	<0.2	<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	-	-
12/14/11	<0.2	<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	-	-
12/14/11	<2	<2.3	<1.9	<52	-	-
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	-	-

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)*
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	-	-
12/14/11	<0.2	<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	668	-	-	-	-	-	-	-	-	-	-
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

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
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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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
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		-	-	-	-	-	-	-	-

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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
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	-	-	-	-	-	-	-	-	-	-
03/26/08	2,164,230	3,016,249	23	-	-	-	-	-	6,160	36	1,070	18	1,290
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

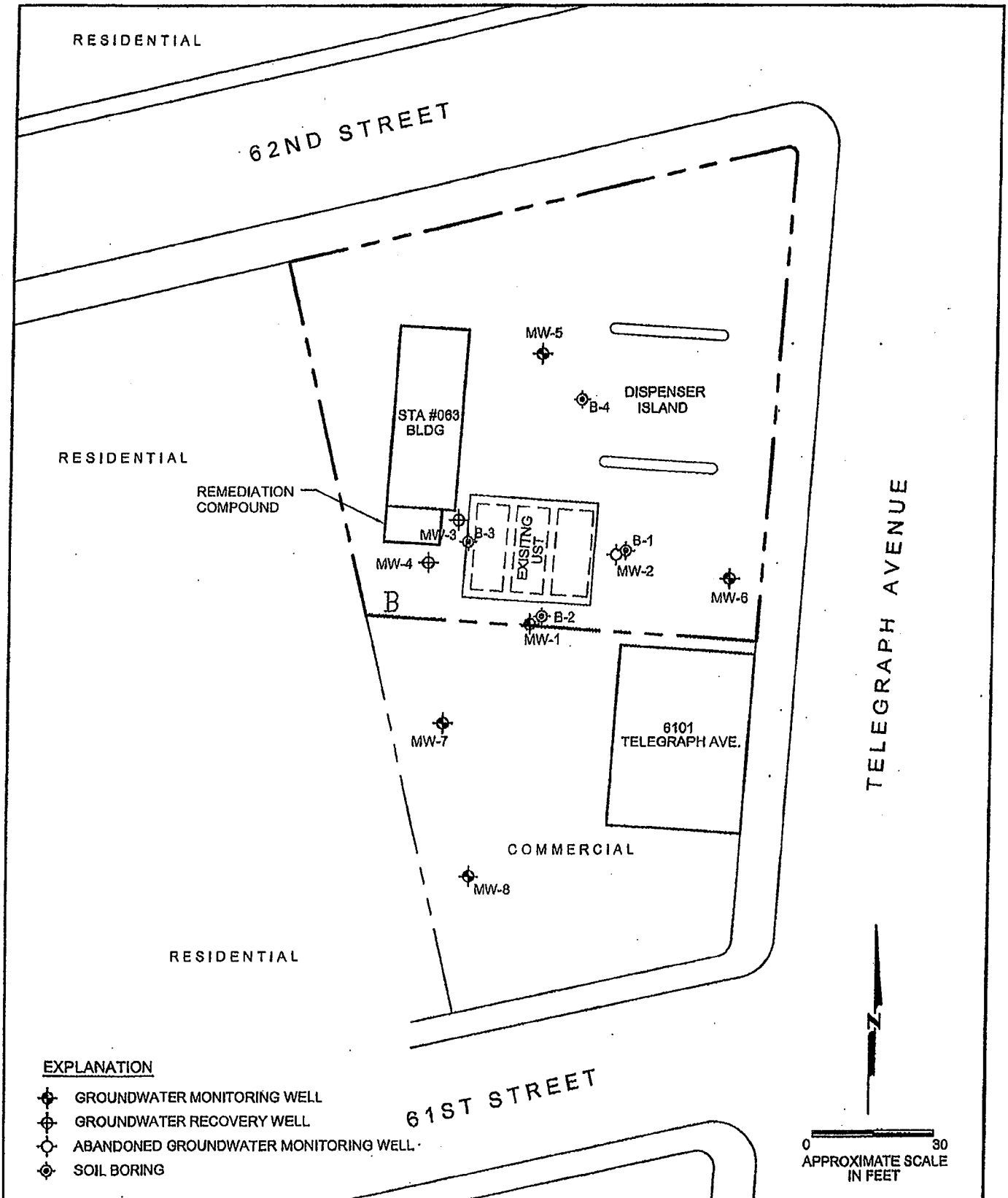
Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
05/10/11	2,545,780	3,397,799	46	-	-	-	-	-	-	-	-	-	-
05/17/11	2,546,980	3,398,999	171	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
06/24/11	2,553,590	3,405,609	143	System shutdown for maintenance.		-	-	-	-	-	-	-	-
06/28/11	2,554,280	3,406,299	173	System restarted.	-	-	-	-	138,000	5,070	29,800	4,610	23,800
07/06/11	2,555,700	3,407,719	178	-	-	-	-	-	-	-	-	-	-
07/12/11	2,556,830	3,408,849	188	-	-	-	-	-	-	-	-	-	-
07/19/11	2,557,950	3,409,969	160	-	-	-	-	-	-	-	-	-	-
07/21/11	2,558,180	3,410,199	115	-	-	-	-	-	87,500	780	9,300	3,000	17,000
07/29/11	2,559,420	3,411,439	155	-	-	-	-	-	-	-	-	-	-
08/01/11	2,560,400	3,412,419	327	-	-	-	-	-	-	-	-	-	-
08/08/11	2,561,610	3,413,629	173	-	-	-	-	-	-	-	-	-	-
08/11/11	2,562,080	3,414,099	157	-	-	-	-	-	110,000	1,800	11,000	2,000	12,000
08/15/11	2,562,830	3,414,849	188	-	-	-	-	-	-	-	-	-	-
08/22/11	2,563,960	3,415,979	161	System shut down for carbon change.		-	-	-	-	-	-	-	-
09/28/11	2,564,060	3,416,079	3	System Restarted after carbon change.		-	-	-	-	-	-	-	-
10/03/11	2,565,180	3,417,199	224	-	-	-	-	-	-	-	-	-	-
10/10/11	2,566,320	3,418,339	163	-	-	-	-	-	-	-	-	-	-
10/13/11	2,567,130	3,419,149	270	-	-	-	-	-	3,740	89	310	120	790
10/17/11	2,567,530	3,419,549	100	-	-	-	-	-	-	-	-	-	-
10/24/11	2,568,680	3,420,699	164	-	-	-	-	-	-	-	-	-	-
10/31/11	2,569,910	3,421,929	176	-	-	-	-	-	-	-	-	-	-
11/07/11	2,571,040	3,423,059	161	-	-	-	-	-	-	-	-	-	-
11/14/11	2,572,350	3,424,369	187	-	-	-	-	-	-	-	-	-	-
11/16/11	2,573,150	3,425,169	400	-	-	-	-	-	135,000	820	14,000	3,700	21,000
11/22/11	2,573,710	3,425,729	93	-	-	-	-	-	-	-	-	-	-
11/28/11	2,575,030	3,427,049	220	-	-	-	-	-	-	-	-	-	-
12/02/11	2,576,160	3,428,179	283	-	-	-	-	-	-	-	-	-	-
12/14/11	2,577,230	3,429,249	89	System shutdown for QWS.		-	-	-	-	-	-	-	-
12/15/11	2,577,290	3,429,309	60	System restarted after QWS.		-	-	-	-	-	-	-	-
12/19/11	2,578,260	3,430,279	243	-	-	-	-	-	-	-	-	-	-
12/27/11	2,579,510	3,431,529	156	-	-	-	-	-	-	-	-	-	-
WD PERMIT LIMITS:				*NE*	*5.0*	*5.0*	*5.0*	*5.0*					

Note:

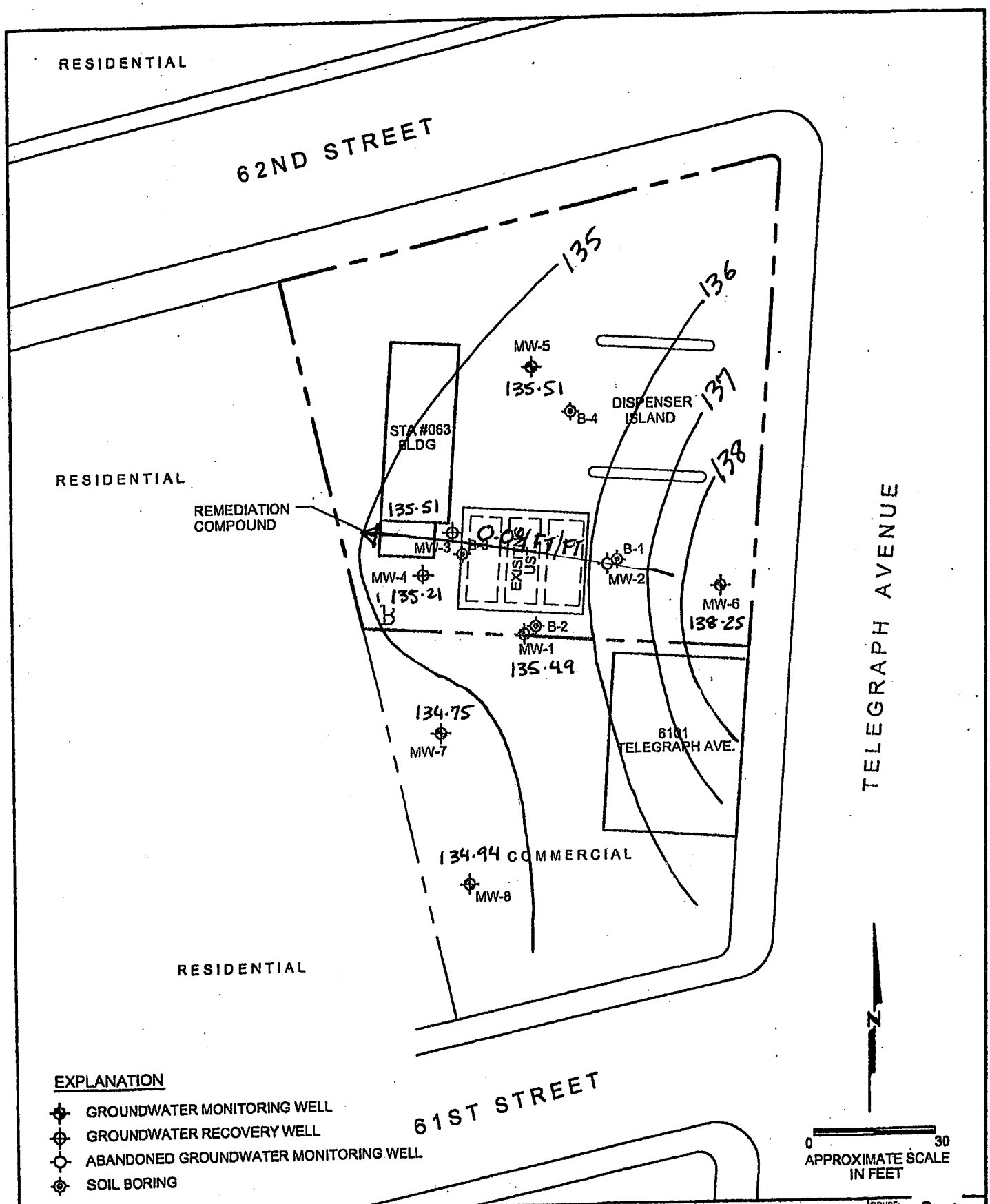
< = less than laboratory detection level indicated
- = no sample / not analyzed
NE = Permit Limit not established
TPH is analyzed by EPA Method 8015 M
BTEX is analyzed by EPA Method 8021 or 8260
*MTBE by 8020 / 8260

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.		



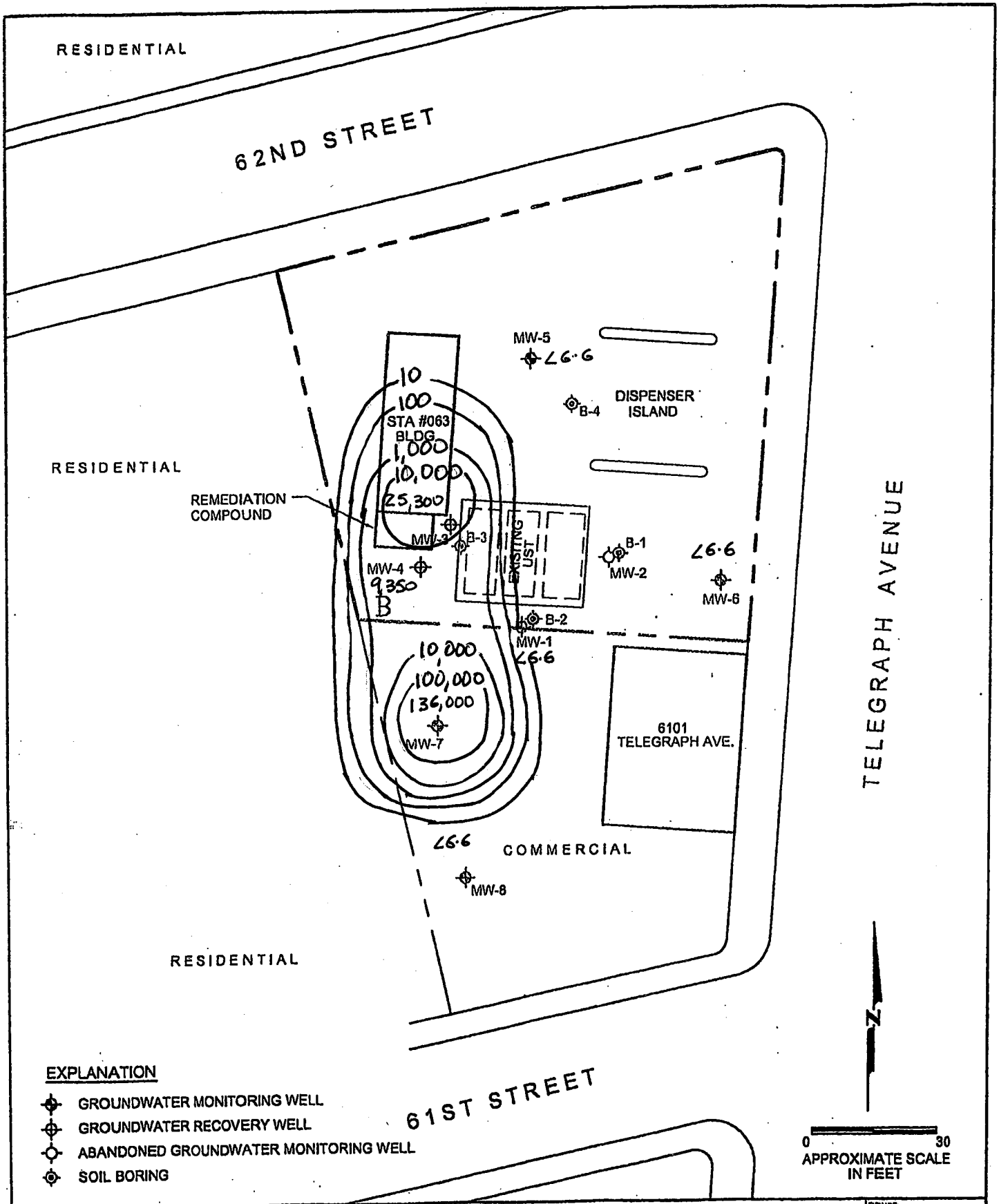
Groundwater gauging conducted on 12-14-11
Elevations reported in feet above mean sea level
* = not used to determine groundwater contour lines

Groundwater Elevation Contour Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



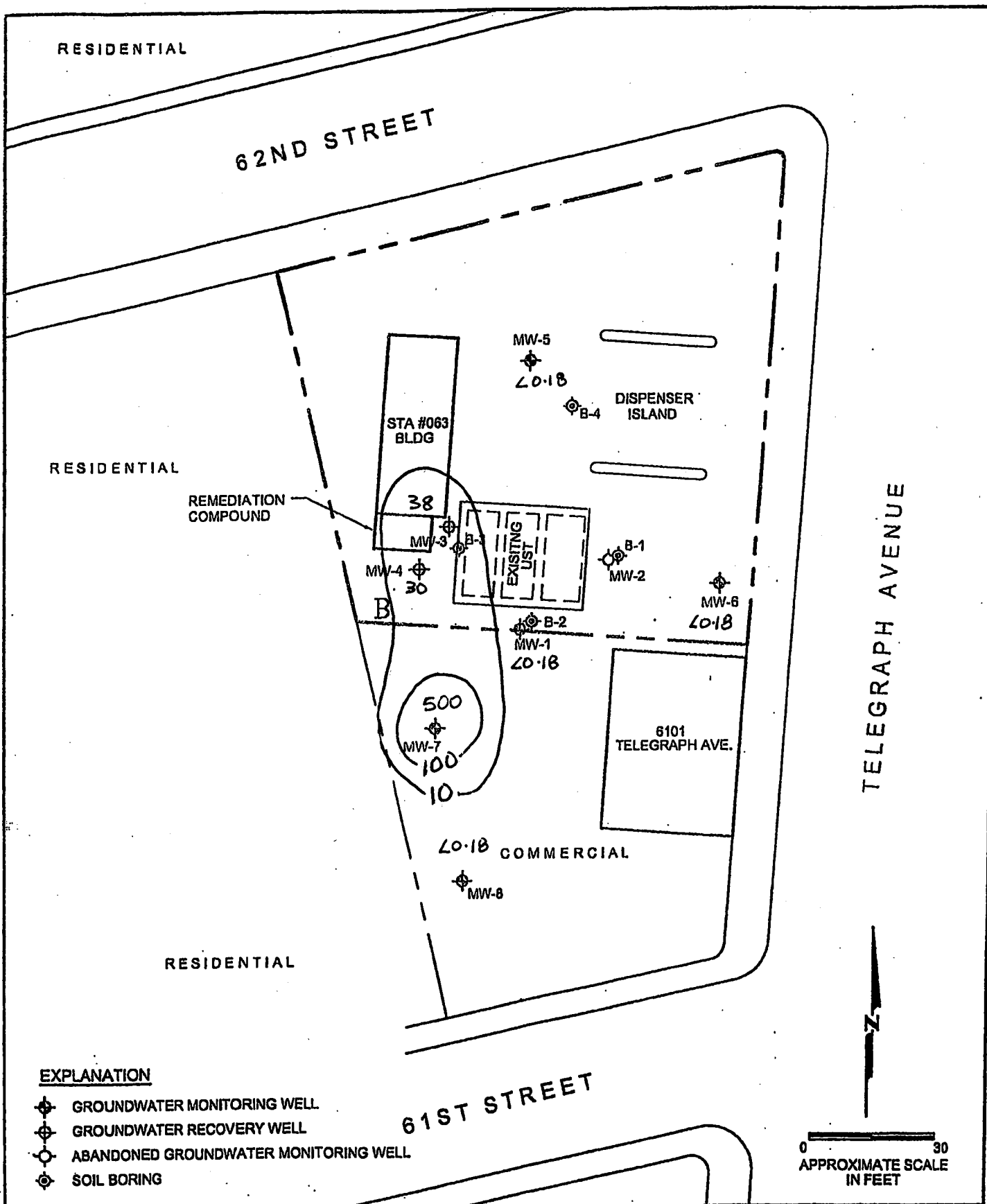
units in µg/L
Samples collected on 12-14-11

TPHg Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



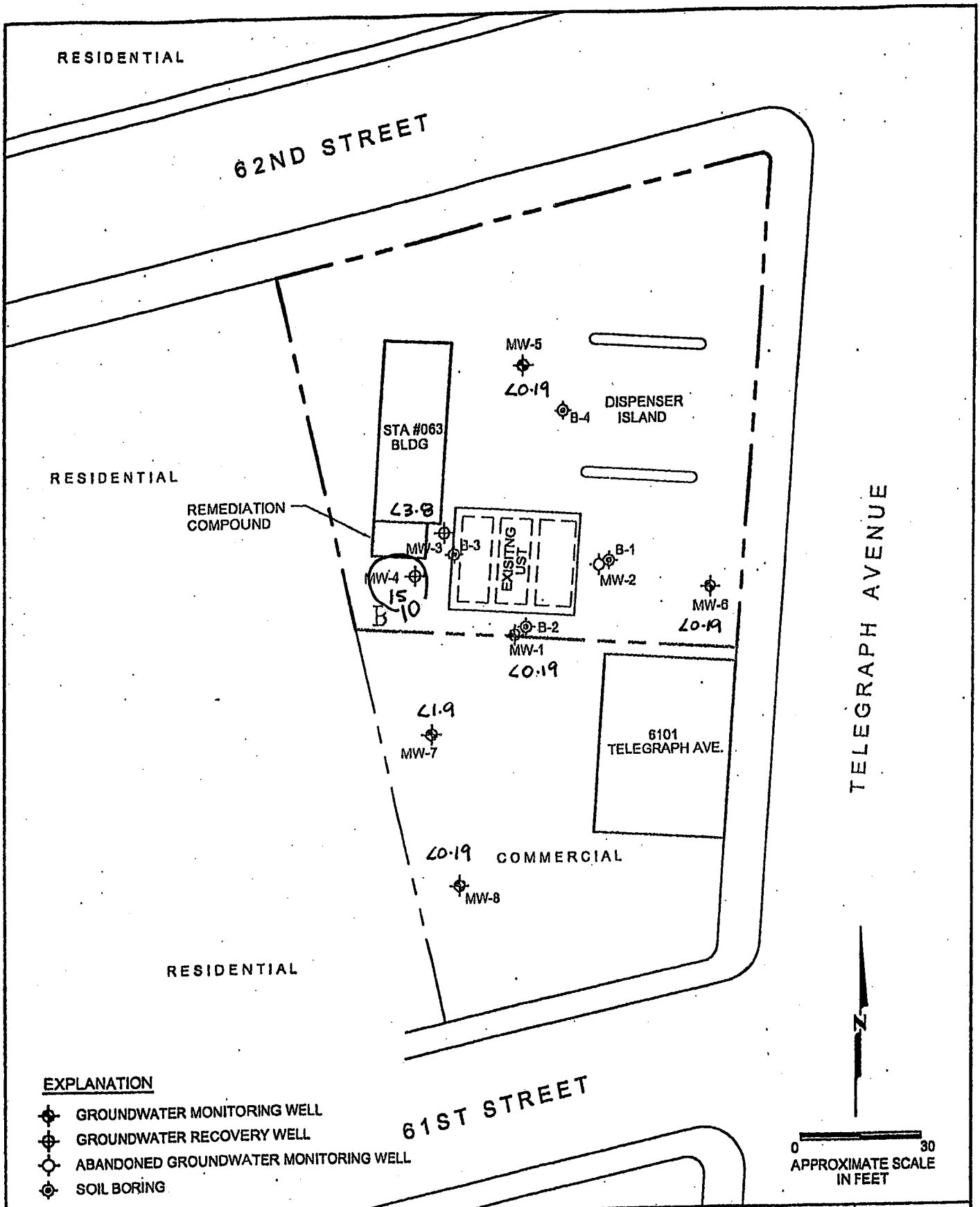
units in µg/L
Samples collected on 12-14-11

PROJECT NO.

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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



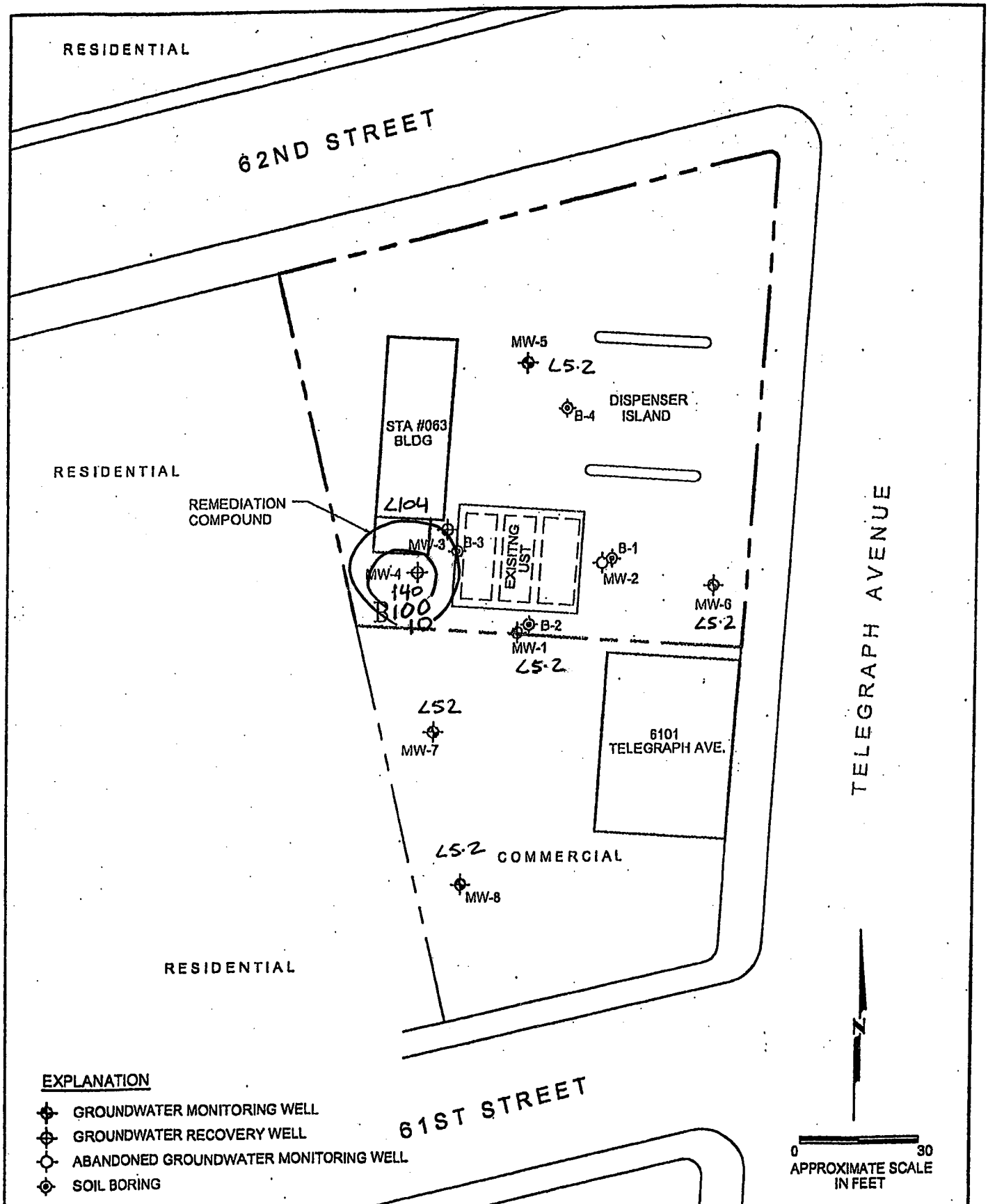
units in µg/L
Samples collected on 12-14-11

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 12-14-11

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: 12-14-2011

PERSONNEL: SERBAN P-

	WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL) EST.	PURGE (GAL) ACT.	COMMENT
	SEMI-ANNUALLY									
1	MW-1		12.94	29.12		16.18	2"	8	10	
2	MW-3		13.43	28.20		14.77	6"	64	65	GW EXTR. WELL
3	MW-4		13.67	29.17		15.50	2"	7	10	GW EXTR. WELL
4	MW-5		14.11	26.22		12.11	4"	23	25	
5	MW-6		10.13	26.78		16.65	4"	32	35	
6	MW-7		13.45	17.44		3.99	2"	2	5	OFFSITE
7	MW-8		12.37	18.29		5.92	2"	2	5	OFFSITE

FREE PRODUCT REMOVED: APPROX. 0 GALLONS

PURGE-WATER REMOVED: APPROX. _____ GALLONS

REMARKS: -TAKE WATER SAMPLING FROM 7 WELLS
- PURGE WATER WAS TRANSFER IN HOLDING TANK (BATCH) -

EXPLANATION: *REV: 12/2/2011*

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

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW 5

GAUGING DATA

Date: 12.14.2011 Time: 8:10 by: JERRATH

Total Well Depth (ft): 26.22 Depth To Product (ft): _____

Depth To Water (ft): 14.11 Product Thickness (ft): _____

Water Column (ft): 12.11

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

(circle well diameter)

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): 12.11 (water column) x 1.96 (multiplier) = 23 (est. volume)

PURGING DATA

Purge Start Time: 9:35 Purge Method: BAILER pH/Temp/Cond: by:

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:40	5	5	71.2	6.05	1280	CLOUDY	
9:45	5	5	71.4	6.07	1290	CLOUDY	
9:50	5	5	71.4	6.07	1310	CLOUDY	
9:55	5	5	71.7	6.08	1310	CLOUDY	
10:00	5	5	71.6	6.08	1310	CLOUDY	

DTW immed. after purge (ft): Actual purged volume (gal): 25 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [12.11 (Water Column)] x 0.20 + [14.11 (DTW initial)] = 16.53 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
16.07	12.14.11	13:30					

Sampling Method: ☒ Disposable Bailer ☐ _____

Notes:

Well Inspection:

Well Box: ☐ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed:

Repair/Replacement needed:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-6

GAUGING DATA

Date: 12.14.2011 Time: 8:20 by: SERBAN

Total Well Depth (ft): 26.78 Depth To Product (ft) _____

Depth To Water (ft): 10.13 Product Thickness (ft) _____

Water Column (ft): 16.65

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

(circle well diameter)

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):

16.65 (water column) x 1.96 (multiplier) = 32 (est. volume)

PURGING DATA

Purge Start Time: 10:10 Purge Method: pH/Temp/Cond: by:

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:17	7	7	72.1	6.05	1400	CLEAR	
10:24	7	7	72.3	6.06	1450	CLEAR	
10:31	7	7	72.4	6.08	1430	CLEAR	
10:38	7	7	72.3	6.07	1420	CLEAR	
10:45	7	7	72.4	6.03	1420	CLEAR	

DTW immed. after purge (ft): Actual purged volume (gal): 35 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [16.65 (Water Column)] x 0.20 + [10.13 (DTW initial)] = 13.46 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
14.06	12.14.11	13:40					SP.

Sampling Method: ☒ Disposable Bailer ☐ _____ Notes:

Well Inspection:

Well Box: ☒ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-8

GAUGING DATA

Date: 12.14.2011 Time: 8:36 by: SERGIO

Total Well Depth (ft): 18.24 Depth To Product (ft) _____

Depth To Water (ft): 12.37 Product Thickness (ft) _____

Water Column (ft): 5.92

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

Multipliers for purge volume estimation: *Note for borehole volume, add 1/2 BH vol for each subsequent passes*

(circle well diameter)

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

Estimated Purge Volume (gal): 5.92 (water column) x 0.49 (multiplier) = 2.9 (est. volume)

PURGING DATA

Purge Start Time: 11:00 Purge Method: BAILER pH/Temp/Cond: by: S.P.

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:01	1	1	70.4	5.97	1620	CLEAR	
11:02	1	1	70.6	5.94	16300	CLEAR	
11:03	1	1	70.9	5.92	1620	CLEAR	
11:04	1	1	70.9	5.92	16300	CLEAR	
11:05	1	1	70.7	5.93	1620	CLEAR	

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

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [5.92 (Water Column)] x 0.20 + [12.37 (DTW initial)] = 13.55 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
14.03	12.14.11	13:45					

Sampling Method: ☐ Disposable Bailer ☐ _____

Notes:

Well Inspection:

Well Box: ☐ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-1

GAUGING DATA

Date: 12.14.2011 Time: 8:45 by: JERRY

Total Well Depth (ft): 29.12 Depth To Product (ft): _____

Depth To Water (ft): 12.94 Product Thickness (ft): _____

Water Column (ft): 16.18

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

Multipliers for purge volume estimation: *Note for borehole volume, add 1/2 BH vol for each subsequent passes*

(circle well diameter)

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

Estimated Purge Volume (gal): 16.18 (water column) x 0.44 (multiplier) = 7.9 (est. volume)

PURGING DATA

Purge Start Time: 11:20 Purge Method: BAILER pH/Temp/Cond: by: S.P.

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:22	2	2	71.3	6.01	1360	CLEAR	
11:24	2	2	71.6	6.08	1370	CLEAR	
11:26	2	2	71.6	6.07	1370	CLEAR	
11:28	2	2	71.4	6.09	1340	CLEAR	
11:30	2	2	71.5	6.01	1340	CLEAR	

DTW immed. after purge (ft): 12.87 Actual purged volume (gal): 10 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [16.18 (Water Column)] x 0.20 + [12.94 (DTW initial)] = 16.17 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
15.28	12.14.2011	13:55					SR

Sampling Method: ☒ Disposable Bailer ☐ _____

Notes:

Well Inspection:

Well Box: ☐ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-3

GAUGING DATA

Date: 12.14.2011 Time: 9:00 by: JERBIT

Total Well Depth (ft): 28.20 Depth To Product (ft) _____

Depth To Water (ft): 13.43 Product Thickness (ft) _____

Water Column (ft): 14.77 Purge Vol Calculation: ☒ Casing Vol. ☐ Borehole Vol. (SD)

Multipliers for purge volume estimation: *Note for borehole volume, add 1/2 BH vol for each subsequent passes*

(circle well diameter)

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

Estimated Purge Volume (gal): 14.77 (water column) x 4.40 (multiplier) = 64.9 (est. volume)

PURGING DATA

Purge Start Time: 11:40 Purge Method: BAILER pH/Temp/Cond: by: S.P.

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:53	13	13	72.5	6.03	1530	CLEAR	
12:06	13	13	71.6	6.06	1520	CLEAR	
12:19	13	13	71.3	6.05	1540	CLEAR	
12:32	13	13	71.4	6.06	1530	CLEAR	
12:45	13	13	71.6	6.07	1520	CLEAR	

DTW immed. after purge (ft): 13.31 Actual purged volume (gal): 65 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [14.77 (Water Column)] x 0.20 + [13.43 (DTW initial)] = 16.38 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
16.09	12.14.11	14:50					

Sampling Method: ☒ Disposable Bailer ☐ _____ Notes:

Well Inspection:

Well Box: ☐ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-4

GAUGING DATA

Date: 12.14.2011 Time: 9:10 by: SF BARTA

Total Well Depth (ft): 29.17 Depth To Product (ft) _____

Depth To Water (ft): 13.67 Product Thickness (ft) _____

Water Column (ft): 15.50 Purge Vol Calculation: ☒ Casing Vol. ☐ Borehole Vol. (SD)

Multipliers for purge volume estimation: *Note for borehole volume, add 1/2 BH vol for each subsequent passes*

(circle well diameter)

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

Estimated Purge Volume (gal): 15.50 x 0.49 = 7.6
water column *multiplier* *est. volume*

PURGING DATA

Purge Start Time: 12:56 Purge Method: BAILER pH/Temp/Cond: HANNA by: SF

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:57	2	2	71.6	6.06	1620	CLEAR	
12:59	2	2	71.2	6.03	1630	CLEAR	
13:01	2	2	71.7	5.97	1640	CLEAR	
13:03	2	2	71.8	5.82	1620	CLEAR	
13:05	2	2	71.7	5.84	1620	CLEAR	

DTW immed. after purge (ft): 13.61 Actual purged volume (gal): 10 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [15.50] x 0.20 + [13.67] = 16.77 ft
Water Column *DTW initial*

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
17.02	12.14.11	15:10					

Sampling Method: ☒ Disposable Bailer ☐ _____ Notes:

Well Inspection:

Well Box: ☒ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

EARTH MANAGEMENT CO.
Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site:	Location:	Well ID#
TOC# 063	6125 Telegraph Ave, Oakland, CA 94609	MW-7

GAUGING DATA

Date: 12.14.2011 Time: 9:25 by: SERBAN

Total Well Depth (ft): 17.44 Depth To Product (ft) _____

Depth To Water (ft): 13.45 Product Thickness (ft) _____

Water Column (ft): 3.99 Purge Vol Calculation: ☒ Casing Vol. ☐ Borehole Vol. (SD)

Multipliers for purge volume estimation: *Note for borehole volume, add 1/2 BH vol for each subsequent passes*

(circle well diameter)

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

Estimated Purge Volume (gal): 3.99 (water column) x 0.49 (multiplier) = 1.95 (est. volume)

PURGING DATA

Purge Start Time: 13:15 Purge Method: BAILER pH/Temp/Cond: HANNA by: SP

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
13:16	1	1	71.9	6.23	1380	CLEAR	
13:17	1	1	72.1	6.09	1370	CLEAR	
13:18	1	1	72.1	6.06	1360	CLEAR	
13:19	1	1	72.1	6.11	1370	CLEAR	
13:20	1	1	72.1	6.12	1360	CLEAR	

DTW immed. after purge (ft): 13.43 Actual purged volume (gal): 5 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☒ Total Well Depth: 80% Recovery = [3.99 (Water Column)] x 0.20 + [13.45 (DTW initial)] = 14.48 ft

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

SAMPLING DATA

DTW (ft) before sampling	Date:	Time:	Temp	pH	D.O.	ORP	by
14.06	12.14.11	15:25					

Sampling Method: ☒ Disposable Bailer ☐ _____ Notes:

Well Inspection:

Well Box: ☑ Round (_____") ☐ Square (_____") # of Bolts _____ (7/16"; 1/2"; 9/16"; 5/8"; 3/4"; 5/16"; _____")

Well Plug Secured _____ Well Plug Locked _____ Well Cover Secured _____

Well Box Cleaned and Free of Water _____ Well Box Concrete Support Condition _____

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

APPENDIX B

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Client:	Thrifty Oil Company	Lab Request:	296500
Address:	13116 Imperial Hwy.	Report Date:	01/03/2012
	P.O. Box 2128	Date Received:	12/16/2011
	Santa Fe Springs, CA 90670		
Attn:	Jeff Suryakusuma	Client ID:	8871
Project:	Station #063		
Comments:	6125 Telegraph Avenue, Oakland		
	Global ID: T0600101366		

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 indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
296500-001	TOC#063 MW-7
296500-002	TOC#063 MW-4
296500-003	TOC#063 MW-3
296500-004	TOC#063 MW-1
296500-005	TOC#063 MW-8
296500-006	TOC#063 MW-6
296500-007	TOC#063 MW-5
296500-008	TOC#063 Trip 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.
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	296500-001	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-7
Collect Date:	12/14/11	Site:	
Collect Time:	03:25 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method: EPA 5030B**				**QCBatchID: QC1121848**		
TPH Gasoline	136000	200	1320	10000	ug/L	12/24/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	103	60-140

Method: EPA 8260B	**Prep Method: EPA 5030B**				**QCBatchID: QC1121755**		
Benzene	500	10	1.8	10	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	10	2	10	ug/L	12/21/11	ryanp
Ethylbenzene	2700	100	21	500	ug/L	12/23/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	10	2.3	10	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	10	1.9	10	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	ND	10	52	100	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	10	1.9	10	ug/L	12/21/11	ryanp
Toluene	11000	100	24	500	ug/L	12/23/11	ryanp
Xylenes (Total)	14000	100	45	500	ug/L	12/23/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	101	70-145
4-Bromofluorobenzene (SUR)	126	70-145
Dibromodifluoromethane (SUR)	110	70-145
Toluene-d8 (SUR)	106	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	296500-002	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-4
Collect Date:	12/14/11	Site:	
Collect Time:	03:10 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1121848		
TPH Gasoline	9350	20	132	1000	ug/L	12/24/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	104	60-140

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1121755		
Benzene	30	5	0.9	5	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	5	1	5	ug/L	12/21/11	ryanp
Ethylbenzene	370	5	1.05	25	ug/L	12/21/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	5	1.15	5	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	15	5	0.95	5	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	140	5	26	50	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	5	0.95	5	ug/L	12/21/11	ryanp
Toluene	520	5	1.2	25	ug/L	12/21/11	ryanp
Xylenes (Total)	2400	5	2.25	25	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	114	70-145
4-Bromofluorobenzene (SUR)	123	70-145
Dibromodifluoromethane (SUR)	107	70-145
Toluene-d8 (SUR)	104	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	296500-003	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-3
Collect Date:	12/14/11	Site:	
Collect Time:	02:50 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1121910		
TPH Gasoline	25300	10	66	500	ug/L	12/27/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	112	60-140

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1121755		
Benzene	38	20	3.6	20	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	20	4	20	ug/L	12/21/11	ryanp
Ethylbenzene	340	20	4.2	100	ug/L	12/21/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	20	4.6	20	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	20	3.8	20	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	ND	20	104	200	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	20	3.8	20	ug/L	12/21/11	ryanp
Toluene	890	20	4.8	100	ug/L	12/21/11	ryanp
Xylenes (Total)	4900	20	9	100	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	110	70-145
4-Bromofluorobenzene (SUR)	127	70-145
Dibromodifluoromethane (SUR)	99	70-145
Toluene-d8 (SUR)	104	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	296500-004	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-1
Collect Date:	12/14/11	Site:	
Collect Time:	01:55 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1121848		
TPH Gasoline	ND	1	6.6	50	ug/L	12/24/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	97	60-140

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1121755		
Benzene	ND	1	0.18	1	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	12/21/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	12/21/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	12/21/11	ryanp
Toluene	2.6J	1	0.24	5	ug/L	12/21/11	ryanp
Xylenes (Total)	5.7	1	0.45	5	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	117	70-145
4-Bromofluorobenzene (SUR)	125	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	102	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	296500-005	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-8
Collect Date:	12/14/11	Site:	
Collect Time:	01:45 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1121848		
TPH Gasoline	ND	1	6.6	50	ug/L	12/24/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	100	60-140

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1121755		
Benzene	ND	1	0.18	1	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	12/21/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	12/21/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	12/21/11	ryanp
Toluene	1.3J	1	0.24	5	ug/L	12/21/11	ryanp
Xylenes (Total)	2.9J	1	0.45	5	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	116	70-145
4-Bromofluorobenzene (SUR)	125	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	98	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	296500-006	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-6
Collect Date:	12/14/11	Site:	
Collect Time:	01:40 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1121910		
TPH Gasoline	ND	1	6.6	50	ug/L	12/27/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	98	60-140

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1121755		
Benzene	ND	1	0.18	1	ug/L	12/21/11	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	12/21/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	12/21/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	12/21/11	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	12/21/11	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	12/21/11	ryanp
Toluene	ND	1	0.24	5	ug/L	12/21/11	ryanp
Xylenes (Total)	1.2J	1	0.45	5	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	128	70-145
Dibromodifluoromethane (SUR)	99	70-145
Toluene-d8 (SUR)	105	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	296500-007	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 MW-5
Collect Date:	12/14/11	Site:	
Collect Time:	01:30 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1121910		
TPH Gasoline	ND	1	6.6	50	ug/L	12/27/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	100	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1121832		
Benzene	ND	1	0.18	1	ug/L	12/23/11	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	12/23/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	12/23/11	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	12/23/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	12/23/11	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	12/23/11	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	12/23/11	ryanp
Toluene	ND	1	0.24	5	ug/L	12/23/11	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	12/23/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	116	70-145
4-Bromofluorobenzene (SUR)	127	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	100	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	296500-008	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 Trip Blank
Collect Date:	12/14/11	Site:	
Collect Time:		Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1121848		
TPH Gasoline	ND	1	6.6	50	ug/L	12/24/11	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	99	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1121755		
Benzene	ND	1	0.18	1	ug/L	12/21/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	12/21/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	12/21/11	ryanp
Toluene	ND	1	0.24	5	ug/L	12/21/11	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	12/21/11	ryanp

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	116	70-145
4-Bromofluorobenzene (SUR)	121	70-145
Dibromodifluoromethane (SUR)	98	70-145
Toluene-d8 (SUR)	104	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 296500

QCBatchID: QC1121755 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 12/22/11 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1121755MS1, QC1121755MSD1 Source Sample #: 296500-004 Analysis Date: 12/22/11

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	44.8	45.4	ug/L	90	91	1.3	59-172	0-22
Benzene	ND	50	50	44	44	ug/L	88	88	0.5	62-137	0-24
Chlorobenzene	ND	50	50	44.8	47	ug/L	90	94	4.8	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	42	45	ug/L	84	91	8.0	62-137	0-21
Toluene	2.6	50	50	44	45	ug/L	83	85	3.3	59-139	0-21
Trichloroethene	ND	50	50	42.5	44.3	ug/L	85	89	4.1	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1121755LCS1 Analysis Date: 12/22/11

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		45.1		ug/L	90			59-172	-
Benzene	50		45.9		ug/L	92			62-137	-
Chlorobenzene	50		46.9		ug/L	94			60-133	-
Methyl-t-butyl Ether (MTBE)	50		44.6		ug/L	89			62-137	-
Toluene	50		46.9		ug/L	94			59-139	-
Trichloroethene	50		44.4		ug/L	89			66-142	-

QCLabID: QC1121755MB1
Analysis Date: 12/22/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 296500

QCBatchID: QC1121832 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 12/27/11 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1121832MS1, QC1121832MSD1 Source Sample #: 296753-001 Analysis Date: 12/27/11

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	47	46	ug/L	93	93	0.9	59-172	0-22
Benzene	ND	50	50	55	49	ug/L	110	98	11.5	62-137	0-24
Chlorobenzene	ND	50	50	48	45	ug/L	96	90	6.2	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	46	46	ug/L	93	92	0.7	62-137	0-21
Toluene	ND	50	50	48	43	ug/L	95	87	9.2	59-139	0-21
Trichloroethene	ND	50	50	47	44	ug/L	94	88	5.9	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1121832LCS1 Analysis Date: 12/27/11

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		47.2		ug/L	94			59-172	-
Benzene	50		46.2		ug/L	92			62-137	-
Chlorobenzene	50		45.9		ug/L	92			60-133	-
Methyl-t-butyl Ether (MTBE)	50		45.7		ug/L	91			62-137	-
Toluene	50		44.6		ug/L	89			59-139	-
Trichloroethene	50		43.8		ug/L	88			66-142	-

QCLabID: QC1121832MB1
Analysis Date: 12/27/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 296500

QCBatchID: QC1121848 Created By: lucy Method: EPA 8015B

Matrix: Water Created Date: 12/23/11 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1121848LCS1, QC1121848LCSD Analysis Date: 12/23/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	583	573	ug/L	117	115	2	70-130	0-30

QCLabID: QC1121848MB1

Analysis Date: 12/23/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 296500

QCBatchID: QC1121910 Created By: nicollez Method: EPA 8015B

Matrix: Water Created Date: 12/27/11 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1121910LCS1, QC1121910LCSD Analysis Date: 12/27/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	499	513	ug/L	100	103	3	70-130	0-30

QCLabID: QC1121910MB1

Analysis Date: 12/27/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

APPENDIX C

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P —

DATE: 12-27-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	13.40	13.63			
TOP OF PUMP (FT.)	15.27	14.30			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	ADDED	12.05.11	✓ / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / ~~NO~~ ✓			N/A kWh

BATCH TANK	Condition	Comments:	UTILITIES	
	O.K.			N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.3 (psi)	0.6 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2579510 (gallons)	2578260 (gallons)	12.19.2011	125 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHECK AND MAINTENANCE PUMP FROM MW-4
CHECK CARBON DRUMS FOR LEAKS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 12-19-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	13.40	13.63			
TOP OF PUMP (FT.)	15.60	14.86			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	ADDED	12.05.11	Y / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO			N/A kWh

BATCH TANK	Condition	Comments:	UTILITIES	
	O.K.			N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.4 (psi)	1.2 (psi)	0.8 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	257.8260 (gallons)	257.7290 (gallons)	12.14.2011	97 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N	Y / N	Y / N	Y / N	Y / N	

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK AND CLEAN FILTER FOR FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC (063)

ADDR: 6121 TELEGRAPH
OAKLAND 94609

DATE: 12-15-201

PERSON: SEDRAH P

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	X			2577290	
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 WATER SAMPLING

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM START UP / SHUTDOWN REPORT

SITE: TOC 063
ADDR: 6125 TELEGRAPH OAKLAND 94609
DATE: 12-12-2011
PERSON: SEBASTIAN P

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

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging			[redacted]	[redacted]	
SVE	Soil Vapor Extraction				[redacted]	
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		X	[redacted]	2577230	
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 WATER SAMPLING

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave., Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P

DATE: 12-02-2011

ARRIVAL	TIME: 8:00	GWT System: ON / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	14.46	14.19			
TOP OF PUMP (FT.)	16.11	15.93			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	ADDED	11.02.11	Y / N

FILTER BAG	Replaced: YES / NO	Comments:	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition: O.K.	Comments:		N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.4 (psi)	1.3 (psi)	0.7 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2576160 (gallons)	2575030 (gallons)	11-28-2011	113 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N	Y / N	Y / N	Y / N	Y / N	

DEPARTURE	TIME: 11:30	GWT System: ON / OFF	Comments: SYSTEM RUNNING O.K

COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK CARBON DRUMS FOR DAMAGE, CHECK HOSES,

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave., Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAH P.

DATE: 11-28-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	13.40	13.58			
TOP OF PUMP (FT.)	14.72	15.10			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	ADDED	11.02.11	✓ / N

FILTER BAG	Replaced	Comments:
	YES / NO ✓	

BATCH TANK	Condition	Comments:
	O.K.	

UTILITIES	Electrical Meter
	N/A kWh
	N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.3 (psi)	0.6 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2575030 (gallons)	2573710 (gallons)	11.22.2011	132 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME:	GWT System: (ON) / OFF	Comments:
	11:30		SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: - CHECK AIR FILTER FOR COMPRESSOR
- CHECK FILTER & FOR REGULATOR FOR MW-3 AND MW-4 PUMPS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave., Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 11-22-2011

ARRIVAL	TIME: 8:00	GWT System: ON / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	15.43	15.16			
TOP OF PUMP (FT.)	17.06	17.13			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	ADDED		✓ / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO ✓	NO BAG		N/A kWh
BATCH TANK	Condition: O.K.	Comments:		N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.4 (psi)	1.2 (psi)	0.8 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2573710 (gallons)	2573150 (gallons)	11-16-2011	56 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK PUMP IN MW-4

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P

DATE: 11.16.2011

ARRIVAL	TIME: 12:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)					
AIR - LINE PRESSURE	(psi)	(psi)			
DTW (FT.)					
TOP OF PUMP (FT.)					
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			Y / N	Y / N			Y / N

FILTER BAG	Replaced: YES / NO	Comments:	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition	Comments:		N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2573150. (gallons)	2572350 (gallons)	11.14.2011	80 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	X / N	Y / N	X / N	X / N	Y / N

DEPARTURE	TIME: 15:00	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: TAKE WATER SAMPLING FROM SYSTEM

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: STERBA P

DATE: 11.14.2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	16.41	15.13			
TOP OF PUMP (FT.)	17.06	17.11			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			✓ / N	✓ / N	ADDED	11.04.11	✓ / N

FILTER BAG	Replaced: YES / NO ✓	Comments:	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition: O.K.	Comments:		N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments
	2.3	1.2	0.6	O.K.

WATER LINE	TOTALIZER (gallons)	PREVIOUS (gallons)	PREVIOUS DATE:	DIFFERENCE (gallons)
	2572350	2571040	11.07.2011	131

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME: 11:30.	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHANGE FILTER AND CLEAN FROM FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS.

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: JERBAH D.

DATE: 11.07.2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	16.23	16.50			
TOP OF PUMP (FT.)	17.10	18.05			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	ADDED		Y / N

FILTER BAG	Replaced	Comments:
	YES / (NO)	NO FILTER BAG

BATCH TANK	Condition	Comments:
	O.K.	

UTILITIES	Electrical Meter
	N/A kWh
	N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.2 (psi)	0.7 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	257040 (gallons)	2569900 (gallons)	10.31.2011	NA (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N	Y / N	Y / N	Y / N	Y / N

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: - SYSTEM RUNNING O.K, CHECK AIR FILTER FOR FILTER/REGULATOR FOR MW-3 AND MW4 PUMPS - CHECK AND CLEAN COMPRESSOR AIR FILTER

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.

Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

8125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN D.

DATE: 10.31.2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	15.30	16.58			
TOP OF PUMP (FT.)	17.20	18.48			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Leaks / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	ADDED	09.28.11	Y / N

FILTER BAG	Replaced	Comments:
	YES / NO	

BATCH TANK	Condition	Comments:
	0.12	

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.1 (psi)	0.6 (psi)	0.1C

UTILITIES	Electrical Meter
	N/A kWh
	N/A

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE	DIFFERENCE
	256.9910 (gallons)	2568680 (gallons)	10.24.2011	123 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N	Y / N	Y / N	Y / N	Y / N	

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING OK

COMMENTS / WORK PERFORMED: CLEAN AIR FILTER FOR COMPRESSOR AND FILTER REGULATOR FOR MW3 AND MW-4 PUMPS, CHECK TRANSFER PUMP

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

REV 7/20/11

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P

DATE: 10.24.2011

ARRIVAL	TIME: 8:00	GWT System: (ON) OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	16.40	16.13			
TOP OF PUMP (FT.)	17.10	17.25			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	1 QUART	09.28.11	✓ / N

FILTER BAG	Replaced	Comments:
	YES / NO ✓	NO FILTER BAG

BATCH TANK	Condition	Comments:
	O.K.	

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.4 (psi)	1.2 (psi)	0.7 (psi)	O.K

UTILITIES	Electrical Meter
	N/A kWh
	N/A

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	256.8680 (gallons)	2567530 (gallons)	10.17.2011	115 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME: 11:30	GWT System: (ON) OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHECK FILTERS FOR REGULATOR FOR MW-3 AND MW-4 PUMPS, CHANGE FILTER FOR COMPRESSOR.

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERGIO P.

DATE: 10-17-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	65 (psi)			
DTW (FT.)	15.21	16.50			
TOP OF PUMP (FT.)	17.15	18.10			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	ADDED	04.28.11	Y / N

FILTER BAG	Replaced: YES / NO	Comments: N/A	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition: O.K.	Comments:		N/A

CARBON DRUMS (3 X 200LBS. (55 gal.type))	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.3 (psi)	0.6 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2567530 (gallons)	2566320 (gallons)	10.10.2011	121 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N	Y / N	Y / N	Y / N	Y / N

DEPARTURE	TIME: 11:30	GWT System: (ON) OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: MAINTENANCE TRANSFER PUMP, CHECK MW-7 AND MW-8

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: JEREMY P.

DATE: 10-13-2011

ARRIVAL	TIME: 12:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN:

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)					
AIR - LINE PRESSURE	(psi)	(psi)			
DTW (FT.)					
TOP OF PUMP (FT.)					
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			Y / N	Y / N			Y / N

FILTER BAG	Replaced: YES / NO	Comments:	UTILITIES	Electrical Meter: kWh
BATCH TANK	Condition	Comments:		
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments

WATER LINE	TOTALIZER (gallons)	PREVIOUS (gallons)	PREVIOUS DATE:	DIFFERENCE (gallons)
	2567130	2566320		

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	✓ / N	Y / N ✓	✓ / N	✓ / N	Y / N ✓	

DEPARTURE	TIME: 15:00	GWT System: ON / OFF	Comments:

COMMENTS / WORK PERFORMED: TAKE WATER SAMPLING FROM INLET, INT-2 INT-1 E

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN D

DATE: 10.10.2014

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	65 (psi)			
DTW (FT.)	16.30	16.57			
TOP OF PUMP (FT.)	17.21	18.10			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	ADDED	09.28.14	✓ / N

FILTER BAG	Replaced	Comments:
	YES / NO ✓	

BATCH TANK	Condition	Comments:
	O.K.	

UTILITIES	Electrical Meter
	N/A kWh
	N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.4 (psi)	1.3 (psi)	0.7 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2566320 (gallons)	2565180 (gallons)	10.03.2014	114 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	NO SAMPLING

DEPARTURE	TIME: 11:30	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K

COMMENTS / WORK PERFORMED:

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 10.03.2011

ARRIVAL	TIME: 8:00	GWT System: (ON) OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	13.40	13.62			
TOP OF PUMP (FT.)	15.15	15.60			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	0 (psi)	Y / N	Y / N	ADDED	09.29.11	Y / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO			N/A kWh

BATCH TANK	Condition	Comments:		
	0.12			N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.2 (psi)	0.7 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2565180 (gallons)	256.4060 (gallons)	09.28.2011	112 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N	Y / N	Y / N	Y / N	Y / N

DEPARTURE	TIME: 11:30	GWT System: (ON) OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK AIR FILTER FROM COMPRESSOR, CHECK DRUMS FOR LEAKS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: JERBAH P.

DATE: 09-28-2011

ARRIVAL	TIME: 8:00	GWT System: ON (OFF)	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	65 (psi)	60 (psi)			
DTW (FT.)	15.38	15.17			
TOP OF PUMP (FT.)	17.10	18.06			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	Y / N	Y / N	CHANGED	08.31.11	Y / N ✓

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO ✓			N/A. kWh

BATCH TANK	Condition	Comments:
	O.K.	

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.9 (psi)	1.3 (psi)	0.6 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2564060 (gallons)	2563960 (gallons)	08-22-2011	10 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME: 13:00	GWT System: (ON) / OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: RESTART SYSTEM AFTER CHANGE CARBON DRUMS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC #62
ADDR: 6125 TELEGRAPH AVE
OAKLAND 94609
DATE: 09-28-2011
PERSON: SEBASTIAN P

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]	x2564060	
FPR	FP Recovery			[redacted]		
O	Other:					

UTILITIES:
Electrical Meter: N/A
Nat. gas Meter: N/A
Propane Tank Level: NO

OTHER NOTES:
RESTART SYSTEM AFTER CHANGE CARBON DRUMS

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC-063
ADDR: 6125 TEDLOZ GRADY
OAKLAND 94609
DATE: 08-22-2011
PERSON: SEBASTIAN P.

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		✓		2563960	
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
SYSTEM WAS SHUT DOWN FOR CARBON CHANGE OUT

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAT P.

DATE: 08-22-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)					
AIR - LINE PRESSURE	(psi)	(psi)			
DTW (FT.)					
TOP OF PUMP (FT.)					
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			Y / N	Y / N			Y / N

FILTER BAG	Replaced: YES / NO	Comments:	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition	Comments:		N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2563960 (gallons)	2562830 (gallons)	08-15-2011	113 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N	Y / N	Y / N	Y / N	Y / N	

DEPARTURE	TIME: 11:30	GWT System: ON / (OFF)	Comments:

COMMENTS / WORK PERFORMED: SYSTEM WAS SHUT DOWN FOR CARBON CHANGE OUT

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 08-15-2011

ARRIVAL	TIME: 8:00	GWT System (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	110 (psi)	60 (psi)			
DTW (FT.)	15.40	15.11			
TOP OF PUMP (FT.)	17.40	17.40			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	CHANGE	07-22-11	✓ / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / N ✓			N.A kWh

BATCH TANK	Condition	Comments:	UTILITIES	
	O.K.			N.A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.7 (psi)	1.1 (psi)	0.6 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2562830 (gallons)	2561610 (gallons)	08.08.11	1220 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓

DEPARTURE	TIME:	GWT System: (ON) / OFF	Comments:
	11:30		SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED: REPLACED TRANSFER PUMP

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN D.

DATE: 08-11-2011

ARRIVAL	TIME:	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)					
AIR - LINE PRESSURE	(psi)	(psi)			
DTW (FT.)					
TOP OF PUMP (FT.)					
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			Y / N	Y / N			Y / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO			kWh
BATCH TANK	Condition	Comments:		

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments
	2.3	1.2	0.7	O.K.

WATER LINE	TOTALIZER (gallons)	PREVIOUS (gallons)	PREVIOUS DATE:	DIFFERENCE (gallons)
	2562080	2561610	08.08.11	470

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge
	Y / N	Y / N	Y / N	Y / N	Y / N

DEPARTURE	TIME:	GWT System: (ON) / OFF	Comments:

COMMENTS / WORK PERFORMED: TAKE WATER SAMPLING FROM SYSTEM

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN D

DATE: 08-08-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN:

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	15.26	16.52			
TOP OF PUMP (FT.)	18.11	18.83			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	90 (psi)	✓ / N	✓ / N	ADDED.	07.22.11	✓ / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO ✓			N/A kWh

BATCH TANK	Condition	Comments:	UTILITIES	
	O.K.			N/A

CARBON DRUMS (3 X 200LBS. (55 gal.type))	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.3 (psi)	1.1 (psi)	0.7 (psi)	O.K.

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2561610 (gallons)	2560400 (gallons)	08.01.11	1210 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	

DEPARTURE	TIME:	GWT System: ON / OFF	Comments:
	11:30	(ON) / OFF	SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED:

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 08-01-2011

ARRIVAL	TIME: 8:00	GWT System: ON / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	60 (psi)			
DTW (FT.)	15.41	15.14			
TOP OF PUMP (FT.)	13.20	12.42			
SAMPLES COLLECTED	Y / N ✓	Y / N ✓	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
			✗ / N	✗ / N	ADD	07.22.11	✗ / N

FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter
	YES / NO ✓			N/A kWh

BATCH TANK	Condition	Comments:		
	O.K.			N/A

CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments
	2.6 (psi)	1.2 (psi)	0.6 (psi)	O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	2560400 (gallons)	2559420 (gallons)	07-28-11	98 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	Y / N ✓	

DEPARTURE	TIME:	GWT System: ON / OFF	Comments:
	11:30	ON / OFF	SYSTEM RUNNING O.K

COMMENTS / WORK PERFORMED:

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

EARTH MANAGEMENT CO.
Environmental Remediation

GW REMEDIATION SYSTEM
FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P

DATE: 07-28-2011

ARRIVAL	TIME: 8:00	GWT System: (ON) OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN	29		

GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	100%	100%			
AIR - LINE PRESSURE	70 (psi)	65 (psi)			
DTW (FT.)	15.25	16.51			
TOP OF PUMP (FT.)	17.40	18.20			
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N	

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	110 (psi)	(psi)	Y / N	Y / N	ADDED	07.22.11	Y / N

FILTER BAG	Replaced: YES / (NO)	Comments:	UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition: O.K.	Comments:		N/A
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure: 2.3 (psi)	2nd. Vessel pressure: 1.4 (psi)	3rd. Vessel pressure: 0.8 (psi)	Condition of vessels / Comments: O.K

WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE
	255.9420 (gallons)	255818.0 (gallons)	07.21.2011	124 (gallons)

WATER Samples Collected	INLET from Wells	Batch Tank	Intermediate-1	Intermediate-2	OUTLET Discharge	
	Y / N	Y / N	Y / N	Y / N	Y / N	

DEPARTURE	TIME: 11:30	GWT System: (ON) OFF	Comments: SYSTEM RUNNING O.K.

COMMENTS / WORK PERFORMED:

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

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

NAME OF INSPECTOR: SERBANT P

DATE OF INSPECTION: 07-21-2011

OBSERVATIONS AND COMMENTS: SYSTEM WATER SAMPLING.

FLOW METER READING: 2558180 –

SAMPLES OBTAINED: 4 OZ S.

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: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.0

INSPECTOR'S SIGNATURE:

063

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: 07-19-2011

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

FLOW METER READING: 2557950

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: 2.4

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: [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: 07-12-2011

OBSERVATIONS AND COMMENTS: CHECK BELT, CHANGE OIL DRAIN COMPRESSOR TANK; CHECK TRANSFER PUMP, CHECK CARBON DRUMS, CHECK HOSES & CONNECT TO DRUMS, CHECK AND CLEAN AIR FILTER FROM COMPRESSOR

FLOW METER READING: 2556830-

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: 1.2

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

INSPECTOR'S SIGNATURE:

(663)

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: 07-06-2011

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

FLOW METER READING: 2555700

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: 2.4

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:

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: 06-28-2011

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

FLOW METER READING: -2554280-

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: 2.4

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:

EARTH MANAGEMENT CO.

Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 063

ADDR: 6125 TELEGR OR
OAKLAND 94609

DATE: 06-24-2011

PERSON: SEDBAH P

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				2553540	
GWT	Groundwater Treatment					
FPR	FP Recovery					
O	Other:					

UTILITIES:

Electrical Meter: NO -

Nat. gas Meter: NO -

Propane Tank Level: NO -

OTHER NOTES:

SHUT DOWN FOR REPAIR OR REPLACE TRANSFER PUMP.

ALWAYS OBSERVE SAFETY PROCEDURES!

APPENDIX D

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Client: Thrifty Oil Company
Address: 13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670
Attn: Jeff Suryakusuma
Project: Station #063
Comments: 6125 Telegraph Ave, Oakland

Lab Request: 295053
Report Date: 12/09/2011
Date Received: 11/18/2011

Client ID: 8871

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 indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
295053-001	TOC# 063 Inlet
295053-002	TOC# 063 Int-2
295053-003	TOC# 063 Int-1

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

ASSOCIATED LABORATORIES by,

Edward Behare
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	295053-001	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Inlet
Collect Date:	11/16/11	Site:	
Collect Time:		Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1120917		
TPH Gasoline	135000	100	660	5000	ug/L	11/28/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	120	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1120996		
Benzene	820	200	36	200	ug/L	11/28/11	akk
Ethylbenzene	3700	200	42	1000	ug/L	11/28/11	akk
Methyl-t-butyl Ether (MTBE)	ND	200	38	200	ug/L	11/28/11	akk
Toluene	14000	200	48	1000	ug/L	11/28/11	akk
Xylenes (Total)	21000	200	90	1000	ug/L	11/28/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	90	70-145
4-Bromofluorobenzene (SUR)	114	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	92	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	295053-002	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Int-2
Collect Date:	11/16/11	Site:	
Collect Time:		Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method: EPA 5030B**				**QCBatchID: QC1120917**		
TPH Gasoline	2680	1	6.6	50	ug/L	11/28/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	110	60-140

Method: EPA 8260B	**Prep Method: EPA 5030B**				**QCBatchID: QC1121032**		
Benzene	33	1	0.18	1	ug/L	11/29/11	akk
Ethylbenzene	30	1	0.21	5	ug/L	11/29/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	11/29/11	akk
Toluene	85	1	0.24	5	ug/L	11/29/11	akk
Xylenes (Total)	370	1	0.45	5	ug/L	11/29/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	123	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	97	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** DF = Dilution Factor

Sample #:	295053-003	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Int-1
Collect Date:	11/16/11	Site:	
Collect Time:		Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1120917		
TPH Gasoline	ND	1	6.6	50	ug/L	11/24/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	78	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1120996		
Benzene	ND	1	0.18	1	ug/L	11/29/11	akk
Ethylbenzene	ND	1	0.21	5	ug/L	11/29/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	11/29/11	akk
Toluene	ND	1	0.24	5	ug/L	11/29/11	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	11/29/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	96	70-145
4-Bromofluorobenzene (SUR)	112	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	96	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 295053

QCBatchID: QC1120917 Created By: lytagas Method: EPA 8015B

Matrix: Water Created Date: 11/24/11 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1120917LCS1, QC1120917LCSD Analysis Date: 11/24/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	498	477	ug/L	100	95	4	70-130	0-30

QCLabID: QC1120917MB1

Analysis Date: 11/24/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 295053

QCBatchID: QC1120996 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 11/29/11 Instrument VOA-MS (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1120996LCS1, QC1120996LCSD Analysis Date: 11/29/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	52.5	58.3	ug/L	105	117	10	59-172	0-22
Benzene	50	50	49.5	49.6	ug/L	99	99	0	62-137	0-24
Chlorobenzene	50	50	47.9	46.9	ug/L	96	94	2	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	46.9	46.7	ug/L	94	93	0	62-137	0-21
Toluene	50	50	46.6	47.7	ug/L	93	95	2	59-139	0-21
Trichloroethene	50	50	48.2	49.8	ug/L	96	100	3	66-142	0-21

QCLabID: QC1120996MB1
Analysis Date: 11/29/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 295053

QCBatchID: QC1121032 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 11/30/11 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1121032MS1, QC1121032MSD1 Source Sample #: 295207-001 Analysis Date: 11/30/11

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	57	54	ug/L	115	109	5.6	59-172	0-22
Benzene	ND	50	50	49	47	ug/L	99	94	4.4	62-137	0-24
Chlorobenzene	ND	50	50	47	45	ug/L	94	90	4.6	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	50	49	ug/L	100	98	1.6	62-137	0-21
Toluene	ND	50	50	48	46	ug/L	95	91	4.7	59-139	0-21
Trichloroethene	ND	50	50	49	48	ug/L	98	95	2.7	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1121032LCS1 Analysis Date: 11/30/11

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		56.9		ug/L	114			59-172	-
Benzene	50		49.1		ug/L	98			62-137	-
Chlorobenzene	50		47.9		ug/L	96			60-133	-
Methyl-t-butyl Ether (MTBE)	50		49.9		ug/L	100			62-137	-
Toluene	50		47.8		ug/L	96			59-139	-
Trichloroethene	50		48.6		ug/L	97			66-142	-

QCLabID: QC1121032MB1
Analysis Date: 11/30/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

FedEx Office

FedEx Kinko's is now FedEx Office

Fax Cover Sheet

Date 11-18-2011

Number of pages 2 (including cover page)

To:

Name DANIEL

Company

Telephone

Fax 714(538-1209

From:

Name SERRAT.

Company TOC

Telephone

Comments I WILL SENT OVERNIGHT ORIGINAL

THANK YOU

7 90363 00711 1
Fax - Local Send

7 90363 00714 2
Fax - Domestic Send

7 90363 00720 3
Fax - International Send

fedex.com 1.800.GoFedEx 1.800.463.3339

22705

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

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Date Received: 11/18/11
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: Station 063
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: ✓ 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?	✓		
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: David Ca Date: ~~11/18/11~~ 11/18/11

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) | A.L. Job No. 295053 | Page 1 of 1

Project Manager: JEFF DUDYAKUSUMA | Fax: 562 (921-7544)

Project Name: SYSTEM WATER SAMPLING | Project #: TOC 063

Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND CA. 94609

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH(G) (8015M)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INF-1		11.16.2011		H_2O	4-VOA	HCL	X	X	X	
2	INF-2		11.16.2011		H_2O	4-VOA	HCL	X	X	X	
3	INF-1		11.16.2011		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.

Relinquished by Sampler: EMC 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Signature:	Signature:
Printed Name: STERBAN P	Printed Name:	Printed Name:
Date: 11.16.2011 Time: 16:00	Date: Time:	Date: Time:
Received By: G.S.O. 1.	Received By: 2.	Received By: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name: Phong Tran	Printed Name:
Date: Time:	Date: 11-18-11 Time: 10:48	Date: Time:

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

Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Client:	Thrifty Oil Company
Address:	13116 Imperial Hwy.
	P.O. Box 2128
	Santa Fe Springs, CA 90670
Attn:	Jeff Suryakusuma
Project:	Station #063
Comments:	6125 Telegraph Ave., Oakland

Lab Request:	293032
Report Date:	10/26/2011
Date Received:	10/15/2011
Client ID:	8871

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 indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
293032-001	TOC#063 Inlet
293032-002	TOC#063 Int.-2
293032-003	TOC#063 Int.-1

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

ASSOCIATED LABORATORIES by,

Edward Behare
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	293032-001	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 Inlet
Collect Date:	10/13/11	Site:	
Collect Time:	01:00 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119685		
TPH Gasoline	3740	10	66	500	ug/L	10/18/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	110	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119788		
Benzene	89	1	0.18	1	ug/L	10/20/11	akk
Ethylbenzene	120	1	0.21	5	ug/L	10/20/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	10/20/11	akk
Toluene	310	5	1.2	25	ug/L	10/21/11	akk
Xylenes (Total)	790	5	2.25	25	ug/L	10/21/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	71	70-145
4-Bromofluorobenzene (SUR)	119	70-145
Dibromodifluoromethane (SUR)	94	70-145
Toluene-d8 (SUR)	100	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	293032-002	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 Int.-2
Collect Date:	10/13/11	Site:	
Collect Time:	01:10 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119685		
TPH Gasoline	ND	1	6.6	50	ug/L	10/18/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	86	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119788		
Benzene	ND	1	0.18	1	ug/L	10/20/11	akk
Ethylbenzene	ND	1	0.21	5	ug/L	10/20/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	10/20/11	akk
Toluene	ND	1	0.24	5	ug/L	10/20/11	akk
Xylenes (Total)	1.3J	1	0.45	5	ug/L	10/20/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	124	70-145
4-Bromofluorobenzene (SUR)	111	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	97	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	293032-003	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC#063 Int.-1
Collect Date:	10/13/11	Site:	
Collect Time:	01:20 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119685		
TPH Gasoline	72.0	1	6.6	50	ug/L	10/18/11	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	94	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1119726		
Benzene	ND	1	0.18	1	ug/L	10/19/11	akk
Ethylbenzene	2.2J	1	0.21	5	ug/L	10/19/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	10/19/11	akk
Toluene	ND	1	0.24	5	ug/L	10/19/11	akk
Xylenes (Total)	14	1	0.45	5	ug/L	10/19/11	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	95	70-145
4-Bromofluorobenzene (SUR)	108	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	101	70-145

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 293032

QCBatchID: QC1119685 Created By: lytagas Method: EPA 8015B

Matrix: Water Created Date: 10/18/11 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1119685LCS1, QC1119685LCSD Analysis Date: 10/18/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	370	411	ug/L	74	82	10	70-130	0-30

QCLabID: QC1119685MB1
Analysis Date: 10/18/11

BLANK SUMMARY

Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Deteced or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 293032

QCBatchID: QC1119726 Created By: akk Method: EPA 8260B

Matrix: Water Created Date: 10/20/11 Instrument VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

QCLabID QC1119726MS1, QC1119726MSD1 Source Sample #: 292968-002 Analysis Date: 10/20/11

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	49.2	50	ug/L	98	100	1.6	59-172	0-22
Benzene	ND	50	50	52	50	ug/L	103	100	3.1	62-137	0-24
Chlorobenzene	ND	50	50	50.5	51	ug/L	101	102	1.0	60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	48	48	ug/L	97	96	0.4	62-137	0-21
Toluene	ND	50	50	52	49	ug/L	103	98	5.4	59-139	0-21
Trichloroethene	ND	50	50	47.1	45.4	ug/L	94	91	3.7	66-142	0-21

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1119726LCS1 Analysis Date: 10/20/11

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		50.0		ug/L	100			59-172	-
Benzene	50		50.6		ug/L	101			62-137	-
Chlorobenzene	50		49.9		ug/L	100			60-133	-
Methyl-t-butyl Ether (MTBE)	50		48.0		ug/L	96			62-137	-
Toluene	50		49.0		ug/L	98			59-139	-
Trichloroethene	50		45.4		ug/L	91			66-142	-

QCLabID: QC1119726MB1

Analysis Date: 10/20/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 293032

QCBatchID: QC1119788 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 10/21/11 Instrument VOA-MS (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1119788LCS1, QC1119788LCSD Analysis Date: 10/21/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	47.3	48.4	ug/L	95	97	2	59-172	0-22
Benzene	50	50	49.7	48.7	ug/L	99	97	2	62-137	0-24
Chlorobenzene	50	50	50.2	48.8	ug/L	100	98	3	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	47.2	49.2	ug/L	94	98	4	62-137	0-21
Toluene	50	50	49.6	47.9	ug/L	99	96	3	59-139	0-21
Trichloroethene	50	50	46.8	44.2	ug/L	94	88	6	66-142	0-21

QCLabID: QC1119788MB1

Analysis Date: 10/21/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Date Received: 10-15-11
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: _____
Sampler's Name: ~~Yes~~ (No)

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ 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. Eckert Date: 10-15-11

Chain of Custody Record

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

Company: TRIFTY OIL CO. Phone: 562(921-7510)
Project Manager: JEFF SURYAKUSUMA Fax: 562(921-3185)
Project Name: SYSTEM WATER SAMPLING Project #: 063
Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND CA 94609

A.L. Job No. 292032 Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015B)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INLET		10.13.2011	13:00	H_2O	4-VOA	NONE	X	X	X	
2	INT.-2		10.13.2011	13:10	H_2O	4-VOA	NONE	X	X	X	
3	INT-1		10.13.2011	13:20	H_2O	4-VOA	NONE	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: E.M.C		
Signature	[signature]	[signature]	
Printed Name	SERBAN P.		
Date / Time	10.13.2011 / 16:00		
Received By	G.S.O.		
Signature		[signature]	
Printed Name		Phong Tran	
Date / Time		10/15 / 10:48	

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

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Client:	Thrifty Oil Company (8871)	Lab Request:	289448
Address:	13116 Imperial Hwy.	Report Date:	08/18/2011
	P.O. Box 2128	Date Received:	08/12/2011
	Santa Fe Springs, CA 90670		
Attn:	Jeff Suryakusuma		
Project:	Station #063		
Comments:	6125 Telegraph Ave., Oakland		

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 indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
289448-001	TOC #063 Inlet
289448-002	TOC #063 Int-2
289448-003	TOC #063 Int-1

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

ASSOCIATED LABORATORIES by,

Edward Behare
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	289448-001	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC #063 Inlet
Collect Date:	08/11/11	Site:	
Collect Time:	01:10 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108587		
TPH Gasoline	110000	100	660	5000	ug/L	08/16/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	134	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108607		
Benzene	1800	200	36	200	ug/L	08/17/11	ryanp
Ethylbenzene	2000	200	42	1000	ug/L	08/17/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	200	38	200	ug/L	08/17/11	ryanp
Toluene	11000	200	48	1000	ug/L	08/17/11	ryanp
Xylenes (Total)	12000	200	90	1000	ug/L	08/17/11	ryanp

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	108	70-135
4-Bromofluorobenzene (SUR)	98	70-135
Dibromodifluoromethane (SUR)	95	70-135
Toluene-d8 (SUR)	95	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	289448-002	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC #063 Int-2
Collect Date:	08/11/11	Site:	
Collect Time:	01:20 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108587		
TPH Gasoline	100000	100	660	5000	ug/L	08/16/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	140	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108607		
Benzene	1700	100	18	100	ug/L	08/17/11	ryanp
Ethylbenzene	3100	100	21	500	ug/L	08/17/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	100	19	100	ug/L	08/17/11	ryanp
Toluene	14000	100	24	500	ug/L	08/17/11	ryanp
Xylenes (Total)	18000	100	45	500	ug/L	08/17/11	ryanp

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	103	70-135
4-Bromofluorobenzene (SUR)	105	70-135
Dibromodifluoromethane (SUR)	94	70-135
Toluene-d8 (SUR)	103	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	289448-003	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC #063 Int-1
Collect Date:	08/11/11	Site:	
Collect Time:	01:30 PM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108587		
TPH Gasoline	108	1	6.6	50	ug/L	08/16/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	108	60-140

Method: EPA 8260B	**Prep Method:** EPA 5030B				**QCBatchID:** QC1108607		
Benzene	2.8	1	0.18	1	ug/L	08/17/11	ryanp
Ethylbenzene	1.8J	1	0.21	5	ug/L	08/17/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	08/17/11	ryanp
Toluene	15	1	0.24	5	ug/L	08/17/11	ryanp
Xylenes (Total)	11	1	0.45	5	ug/L	08/17/11	ryanp

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	113	70-135
4-Bromofluorobenzene (SUR)	98	70-135
Dibromodifluoromethane (SUR)	96	70-135
Toluene-d8 (SUR)	97	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 289448

QCBatchID: QC1108587 Created By: lytagas Method: EPA 8015B

Matrix: Water Created Date: 08/16/11 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1108587LCS1, QC1108587LCSD Analysis Date: 08/16/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	444	425	ug/L	89	85	4	70-130	0-30

QCLabID: QC1108587MB1

Analysis Date: 08/16/11

BLANK SUMMARY

Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 289448

QCBatchID: QC1108607 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 08/17/11 Instrument VOA-MS (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary

QCLabID: QC1108607LCS1, QC1108607LCSD Analysis Date: 08/17/11

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	34.1	39.9	ug/L	68	80	16	59-172	0-22
Benzene	50	50	39.2	41.3	ug/L	78	83	5	62-137	0-24
Chlorobenzene	50	50	40.4	39.1	ug/L	81	78	3	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	49.5	43.2	ug/L	99	86	14	62-137	0-21
Toluene	50	50	36.4	39.5	ug/L	73	79	8	59-139	0-21
Trichloroethene	50	50	35.4	38.1	ug/L	71	76	7	66-142	0-21

QCLabID: QC1108607MB1

Analysis Date: 08/17/11

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Deteced or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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 SUDMEIER — Fax: 562(922-7516)
Project Name: SYSTEM WATER SAMPLING — Project #: 063
Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND CA

A.L. Job No. 289448 — Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015M)	BTEX (8260B)	MTBE (8260B)	Analysis Requested	Test Instructions & Comments
1	INLET		08.11.11	13:10	H_2O	4-VOA	NONE	X	X	X		
2	INF-2		08.11.11	13:20	H_2O	4-VOA	NONE	X	X	X		
3	INF-1		08.11.11	13:30	H_2O	4-VOA	NONE	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.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
EMC		
Signature:	Signature:	Signature:
Printed Name: BRADLEY D	Printed Name:	Printed Name:
Date: 08.11.11 Time: 16:00	Date: Time:	Date: Time:
Received By: 1. G.S.O.	**Received By:** 2.	**Received By:** 3.
Signature:	Signature: Daniel Lee	Signature:
Printed Name:	Printed Name: Daniel Lee	Printed Name:
Date: Time:	Date: 8/12/11 Time: 950	Date: Time:

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

Client: Thrifty Oil Company
Address: 13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670
Attn: Jeff Suryakusuma
Project:
Comments: Station #063
6125 Telegraph Ave., Oakland

Lab Request: 288376
Report Date: 08/02/2011
Date Received: 07/22/2011

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 indicated on the attached report and all NELAC criteria. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
288376-001	TOC# 063 Inlet
288376-002	TOC# 063 Int-2
288376-003	TOC# 063 Int-1

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

ASSOCIATED LABORATORIES by,

Edward Behare
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #:	288376-001	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Inlet
Collect Date:	07/21/11	Site:	
Collect Time:	10:00 AM	Collector:	

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B							
Prep Method: EPA 5030B						**QCBatchID:** QC1107278	
TPH Gasoline	87500	40	264	2000	ug/L	07/26/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	115	60-140

Method: EPA 8260B							
Prep Method: EPA 5030B						**QCBatchID:** QC1108064	
Benzene	780	50	9	50	ug/L	07/26/11	akk
Ethylbenzene	3000	50	10.5	250	ug/L	07/26/11	akk
Methyl-t-butyl Ether (MTBE)	ND	50	9.5	50	ug/L	07/26/11	akk
Toluene	9300	50	12	250	ug/L	07/26/11	akk
Xylenes (Total)	17000	50	22.5	250	ug/L	07/26/11	akk

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	115	70-135
4-Bromofluorobenzene (SUR)	104	70-135
Dibromodifluoromethane (SUR)	96	70-135
Toluene-d8 (SUR)	104	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	288376-002	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Int-2
Collect Date:	07/21/11	Site:	
Collect Time:	10:15 AM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B						**QCBatchID:** QC1107278	
Prep Method: EPA 5030B							
TPH Gasoline	13500	10	66	500	ug/L	07/26/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits	
4-Bromofluorobenzene (SUR)	170	60-140	Okay, Spike amount should be 50.

Method: EPA 8260B						**QCBatchID:** QC1108064	
Prep Method: EPA 5030B							
Benzene	280	20	3.6	20	ug/L	07/27/11	akk
Ethylbenzene	320	20	4.2	100	ug/L	07/27/11	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	07/26/11	akk
Toluene	2600	20	4.8	100	ug/L	07/27/11	akk
Xylenes (Total)	2300	20	9	100	ug/L	07/27/11	akk

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	73	70-135
4-Bromofluorobenzene (SUR)	100	70-135
Dibromodifluoromethane (SUR)	98	70-135
Toluene-d8 (SUR)	112	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

Sample #:	288376-003	Client:	Thrifty Oil Company
Matrix:	Water	Client Sample #:	TOC# 063 Int-1
Collect Date:	07/21/11	Site:	
Collect Time:	10:30 AM	Collector:	client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B						**QCBatchID:** QC1107278	
Prep Method: EPA 5030B							
TPH Gasoline	ND	1	6.6	50	ug/L	07/26/11	lyt

Surrogates for EPA 8015B Method EPA 8015B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	113	60-140

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8260B						**QCBatchID:** QC1107252	
Prep Method: EPA 5030B							
Benzene	ND	1	0.18	1	ug/L	07/27/11	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	07/27/11	ryanp
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	07/27/11	ryanp
Toluene	ND	1	0.24	5	ug/L	07/27/11	ryanp
Xylenes (Total)	ND	1	0.45	5	ug/L	07/27/11	ryanp

Surrogates for EPA 8260B Method EPA 8260B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	108	70-135
4-Bromofluorobenzene (SUR)	87	70-135
Dibromodifluoromethane (SUR)	90	70-135
Toluene-d8 (SUR)	103	70-135

ND = Not Deteced or < MDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 288376

QCBatchID: QC1107252 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 07/27/11 Instrument VOA-MS (group)

QCLabID: QC1107252MB1

Analysis Date: 07/27/11

BLANK SUMMARY

Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Deteced or < RDL **MDL = Method Detection Limit** **RDL = Reporting Detection Limit** **DF = Dilution Factor**

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 288376

QCBatchID: QC1107278 Created By: sandyw Method: EPA 8015B

Matrix: Water Created Date: 07/26/11 Instrument VOA-GC (group)

QCLabID: QC1107278LCS1, QC1107278LCSD1
Analysis Date: 07/26/11

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	415	419	ug/L	83	84	1	70-130	0-30

QCLabID: QC1107278MB1
Analysis Date: 07/26/11

BLANK SUMMARY

Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Deteced or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 288376

QCBatchID: QC1108064 Created By: ryanp Method: EPA 8260B

Matrix: Water Created Date: 08/02/11 Instrument VOA-MS (group)

QCLabID: QC1108064MS1, QC1108064MSD1
Source Sample #: 288403-001
Analysis Date: 08/02/11

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	% Recoveries %MS	% Recoveries %MSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	ND	50	50	48	48	ug/L				59-172	0-22
Benzene	ND	50	50	49	48	ug/L				62-137	0-24
Chlorobenzene	ND	50	50	50	50	ug/L				60-133	0-24
Methyl-t-butyl Ether (MTBE)	ND	50	50	47	48	ug/L				62-137	0-21
Toluene	ND	50	50	51	51	ug/L				59-139	0-21
Trichloroethene	ND	50	50	48	46	ug/L				66-142	0-21

QCLabID: QC1108064LCS1
Analysis Date: 08/02/11

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	% Recoveries %LCS	% Recoveries %LCSD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria %RPD
1,1-Dichloroethene	50		46.1		ug/L				59-172	-
Benzene	50		47.4		ug/L				62-137	-
Chlorobenzene	50		52.2		ug/L				60-133	-
Methyl-t-butyl Ether (MTBE)	50		47.9		ug/L				62-137	-
Toluene	50		54.1		ug/L				59-139	-
Trichloroethene	50		48.5		ug/L				66-142	-

QCLabID: QC1108064
Analysis Date: 08/02/11

BLANK SUMMARY

Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Deteced or < RDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

288376 V

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) 928-3581
Project Manager: JEFF SUBYAKUSUMA | Fax: (562) 928-7500
Project Name: SYSTEM WATER SAMPLING | Project #: 063 V
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.	Analysis Requested: TPH-G (8015M)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INLET		07.21.11	10:00	H_2O	4-VOA	NONE	X	X	X	
2	INT.-2		07.21.11	10:15	H_2O	4-VOA	NONE	X	X	X	
3	INT.-1		07.21.11	10:30	H_2O	4-VOA	NONE	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.

Relinquished by Sampler: E.M.C. 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Signature:	Signature:
Printed Name: BARBARA P	Printed Name:	Printed Name:
Date: 07.21.11 Time: 15:30	Date: Time:	Date: Time:
Received By: G.S.O. 1.	**Received By:** 2.	**Received By:** 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: Time:	Date: 7-22-11 Time: 8:15	Date: Time:

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

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 277492
REPORTED 07/06/2011
RECEIVED 06/30/2011

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
1177426	TOC #063 Inlet
1177427	TOC #063 Int.-2
1177428	TOC #063 Int.-1
1177429	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 #: 277426
Client Sample ID: TOC #063 Inlet
Matrix: WATER
Date Sampled: 06/28/2011 Time Sampled: 10.

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	5070	200.0	200.0	36.0	ug/L	07/01/11 RP
Ethyl benzene	4610	200.0	1000.0	42.0	ug/L	07/01/11 RP
Methyl-tert-butylether (MTBE)	ND	200.0	200.0	38.0	ug/L	07/01/11 RP
Toluene	29800	200.0	1000.0	48.0	ug/L	07/01/11 RP
Xylenes, total	23800	200.0	1000.0	90.0	ug/L	07/01/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	103				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 135
Surr3 - Toluene-d8	96				%	70 - 135
Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8015B - Gasoline						
Gasoline	138000	200.0	10000.0	1320.0	ug/L	06/30/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	112				%	60 - 140

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

Order #: 1177427 Client Sample ID: TOC #063 Int.-2
Matrix: WATER Date Sampled: 06/28/2011 Time Sampled: 10.

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	2710	20.0	20.0	3.6	ug/L	07/01/11 RP
Ethyl benzene	2880	20.0	100.0	4.2	ug/L	07/01/11 RP
Methyl-tert-butylether (MTBE)	ND	20.0	20.0	3.8	ug/L	07/01/11 RP
Toluene	17000	100.0	500.0	24.0	ug/L	07/05/11 RP
Xylenes, total	15000	20.0	100.0	9.0	ug/L	07/01/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	103				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	74				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	113000	100.0	5000.0	660.0	ug/L	07/01/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	120				%	60 - 140

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

Order #: 1177428 Client Sample ID: TOC #063 Int.-1
Matrix: WATER Date Sampled: 06/28/2011 Time Sampled: 10:

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	07/05/11 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/05/11 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	07/05/11 RP
Toluene	ND	1.0	5	0.24	ug/L	07/05/11 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	07/05/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	99				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	132				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/01/11 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	91				%	60 - 140

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

Order #: 1177429 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	07/01/11 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/01/11 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	07/01/11 RP
Toluene	ND	1.0	5	0.24	ug/L	07/01/11 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	07/01/11 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	103				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	129				%	70 - 135
Surr3 - Toluene-d8	98				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	06/30/11 LT
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

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: June 30, 2011

Analysis Date 6/30/11-7/1/11

Lab ID#'s in Batch: LR 277465 , 277492 , 277514 , 277550 .

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	419	436	84	87	4

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

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	87
LCS	101
LCSD	101

BFB = p-Bromofluorobenzene

SOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 277492-428
Date Prepared: July 1, 2011
Date Analyzed: 7/1-7/2/2011
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 277542, 277492, 277481, 277514, 277578

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	56.1	55.7	112	111	1	22	59 - 172
MTBE	0.00	50.0	51.9	51.7	104	103	0	24	62 - 137
Benzene	0.00	50.0	54.3	53.5	109	107	1	24	62 - 137
Trichloroethene	0.00	50.0	51.4	50.8	103	102	1	21	66 - 142
Toluene	0.00	50.0	54.5	53.5	109	107	2	21	59 - 139
Chlorobenzene	0.00	50.0	51.8	51.9	104	104	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	54.8	110	59 - 172
MTBE	50.0	52.2	104	62 - 137
Benzene	50.0	52.6	105	62 - 137
Trichloroethene	50.0	49.5	99	66 - 142
Toluene	50.0	51.9	104	59 - 139
Chlorobenzene	50.0	50.3	101	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	103	103		107	106		103	70 - 135
1,2-Dichloroethane-d4	129	126		91	92		90	70 - 135
Toluene-d8	98	98		102	102		100	70 - 135
p-Bromofluorobenzene	100	107		100	100		96	70 - 135

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

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Date Received: 6/30/11
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: TOC #63
Sampler's Name: Yes (No)

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 3°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: Daniel Cao Date: 6/30/11

Chain of Custody Record

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

2774 92

Company	THRIFTY OIL CO.	Phone	562 (921-3581)
Project Manager	JEFF SUPYAKUSUMA	Fax	562 (921-7640)
Project Name	WATER SYSTEM SAMPLING	Project #	063 V
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.	Analysis Requested: TPH-G (8015M)	BTEX (8260B)	MTBE (8260B)	Test Instructions & Comments
1	INLET		06.28.11	10:30	H_2O	4-VOA	HCL	X	X	X	
2	INT.-2		06.28.11	10:40	H_2O	4-VOA	NONE	X	X	X	
3	INT-1		06.28.11	10:50	H_2O	4-VOA	NONE	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.

Relinquished by Sampler: EMC 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Signature:	Signature:
Printed Name: SABBATH P.	Printed Name:	Printed Name:
Date: 06.28.11 Time: 16:30	Date: Time:	Date: Time:
Received By: G.S.O. 1.	**Received By:** 2.	**Received By:** 3.
Signature:	Signature: Daniel Lee	Signature:
Printed Name:	Printed Name: Daniel Lee	Printed Name:
Date: Time:	Date: 6/30/11 Time: 5:56	Date: Time:

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