

THRIFTY OIL CO.

July 11, 2012

O.124302

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 # 8006870329
Global ID: T0600101366

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
First Semester 2012, Status Report and Request for Low Risk Case Closure

Dear Mr. Khatri:

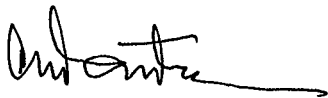
Presented herein is the First Semester 2012, Status Report and Request for Low Risk Case Closure prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report includes the results of the semi-annual groundwater-monitoring program and ongoing remediation conducted during the First Semester 2012. Thrifty has retained the services of Stratus Environmental, Inc. (Stratus) to conduct semi-annual monitoring and sampling and Earth Management Company (EMC) to provide remediation system operation and maintenance services 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 and Thrifty therefore again respectfully requests that the ACHCS grant low risk case closure for this site.

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

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

Respectfully submitted,



Chris Panaitescu
General Manager
Environmental Affairs

RECEIVED

11:04 am, Jul 16, 2012

Alameda County
Environmental Health

cc: File



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

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063

First Semester 2012

Reporting Period: 01/01/2012 to 06/25/2012

Site Information:

Site address:	TOC SS #063 (ARCO #9542) 6125 Telegraph Avenue Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	8006870329
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. 26

Field Activity:

Groundwater wells onsite:	5
Groundwater wells offsite:	2
Date(s) monitored:	June 14, 2012
Date(s) sampled:	June 14, 2012
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 June 14, 2012 data):

Depth to groundwater (feet bgs):	12.33 to 14.51
Groundwater elevation (feet above mean sea level):	134.09 to 136.05
Groundwater gradient and flow direction:	West at approximately 0.02 ft./ft.
Consistent with previous reporting period:	Generally, yes

Groundwater Conditions (based on June 14, 2012 data):

TPHg concentration (ug/L):	ND<6.6 to 6,570 (MW-7)
Benzene concentration (ug/L):	ND<0.18 to 330 (MW-7)
Toluene concentration (ug/L):	ND<0.24 to 1,400 (MW-7)
Ethyl benzene concentration (ug/L):	ND<0.21 to 190 (MW-7)
Total Xylenes concentration (ug/L):	ND<0.45 to 1,000 (MW-3)
MTBE concentration (ug/L):	ND<0.19 to 18 (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 2.5 (MW-6)
TBA concentration (ug/L):	ND<5.2 to 260 (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.):	32,870 (12/27/11 to 06/25/12)
Total GW discharge (gal.):	3,464,399 (through 06/25/12)

Total Remediation Achievements through June 25, 2012

Total gallons of groundwater removed:	3,464,399
Total pounds of vapor phase hydrocarbons removed	307.6
Total tons of hydrocarbon impacted soil removed	977.22

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a semi-annual basis. Groundwater monitoring well locations are presented in **Figure 1**. A groundwater elevation contour map based on the June 14, 2012, groundwater monitoring data is presented in **Figure 2**. The groundwater flow direction is to the west at an approximate gradient of 0.02 feet/foot.

Semi-Annual Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 on June 14, 2012. Groundwater samples were collected by Stratus Environmental, Inc. (Stratus) and delivered in a chilled state following strict Chain-of-Custody procedure to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons

as gasoline (TPHg) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical results are provided in the **Summary Table, Table 1** and **Table 2**. Copies of the Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

Laboratory results for the groundwater samples collected on June 14, 2012 indicate that the highest concentrations of TPHg and benzene were detected in well MW-7 at 6,570 micrograms per liter ($\mu\text{g/L}$) and 330 $\mu\text{g/L}$, respectively. The maximum MTBE and TBA concentrations were detected in well MW-4 at 18 $\mu\text{g/L}$ and 260 $\mu\text{g/L}$, respectively. All other oxygenated compounds were not detected at or above laboratory detection limits in any of the wells with the exception of TAME detected in well MW-6 at 2.5 $\mu\text{g/L}$.

TPHg, benzene, MTBE, and TBA isoconcentration maps were prepared using results from the June 14, 2012 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.

In general, hydrocarbon concentrations reported in all wells for the First Semester 2012 groundwater sampling event are consistent with historical groundwater concentrations which further supports Thrifty's argument that the groundwater plume is stable, defined and limited to the boundary of the property (with the exception of the anomalous high concentrations historically reported in offsite well MW-7). The laboratory analytical results for the re-sampling of well MW-7 on January 23, 2012, were non-detectable for all constituents analyzed and this indicates that the extremely high and anomalous concentrations originally reported for this well (for the December 14, 2011 sampling event) were probably due to sampling or laboratory error and were not the result of a significant increase in contamination in this well.

Remediation Status

Site remedial activities were initiated in April 1991. Currently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. System operational data is included in **Table 3**. Copies of the Field Status Reports for groundwater remediation system are presented in **Appendix C**, and copies of the laboratory analytical reports are contained in **Appendix D**. During the current reporting period (from December 27, 2011 through June 25, 2012), the groundwater treatment system processed approximately 32,870 gallons of groundwater. The groundwater treatment system has treated a cumulative total of approximately 3,464,399 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 dated 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, and stable and shrinking. 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. Based on the First Semester 2012 groundwater sampling results, Thrifty again requests that the ACHCS consider the site for closure.

Activities Planned for Second Semester 2012

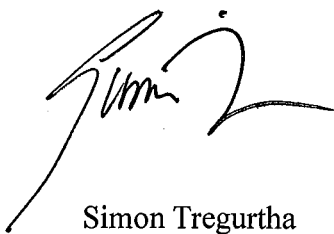
Pending low risk closure, Thrifty will perform the following activities during the next reporting period (Second Semester 2012):

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

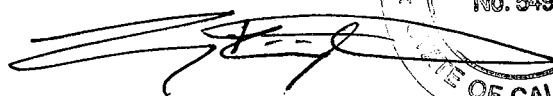
Closing Comments

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	06/14/12	384	27	<0.24	15	4.6 J	2.5	<0.2	<0.23	<0.19	<5.2	NP	13.70	28.92	0.00	148.43	134.73	2"	15 - 30	
MW-3	ACT	06/14/12	5,860	73	840	170	1,000	<3.8	<4	<4.6	<3.8	<104	NP	14.19	29.15	0.00	148.94	134.75	6"	15 - 30	
MW-4	ACT	06/14/12	523	9.9	39	18	37	18	<0.2	<0.23	<0.19	260	NP	14.38	28.95	0.00	148.88	134.50	2"	9 - 29	
MW-5	ACT	06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	3.2	<0.2	<0.23	<0.19	12	NP	14.51	24.98	0.00	149.62	135.11	4"	7 - 27	
MW-6	ACT	06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	5.3	<0.2	<0.23	2.5	<5.2	NP	12.33	27.12	0.00	148.38	136.05	4"	7 - 27	
MW-7	ACT	06/14/12	6,570	330	1,400	190	980	<1.9	<2	<2.3	<1.9	<52	NP	14.08	17.43	0.00	148.20	134.12	2"	8 - 18	
MW-8	ACT	06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.2	<0.23	<0.19	<5.2	NP	13.22	18.08	0.00	147.31	134.09	2"	8 - 18	

NOTE:

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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 (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/12/05	<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
06/14/12	384	27	<0.24	15	4.6 J	2.5	NP	13.70	0.00	148.43	134.73

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

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/24/07	2,100	120	1.5 J	36	4.0 J	499	NP	15.43	0.00	148.94	133.51
01/23/08	59	<0.18	<0.24	<0.21	3.2 J	25	NP	15.43	0.00	148.94	133.51
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
06/14/12	5,860	73	840	170	1,000	<3.8	NP	14.19	0.00	148.94	134.75

MONITORING WELL #MW-4

Screen Interval = 9 to 29 feet

Casing Diameter = 2 inches

DATE	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7.0	8.0	1.0	1.0	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
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	84.98
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	84.40
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	85.24
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	90.84
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.69
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	83.70
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	90.02
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	87.79
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.30
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	85.60
04/24/07	1,840	25	<0.24	80	14	754	NP	16.67	0.00	148.88	135.14
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.44	0.00	148.88	132.21
10/24/07	106	13	<0.24	1.4 J	<0.45	44	NP	15.17	0.00	148.88	133.44
01/23/08	1,520	41	100	18	152	428	NP	16.57	0.00	148.88	133.71
04/29/08	4,340	76	498	138	817	<1.9	NP	17.58	0.00	148.88	132.31
07/30/08	1,280	28	105	26	150	<0.19	NP	16.54	0.00	148.88	131.30
10/29/08	31,500	130	1,870	926	5,510	<19	NP	15.14	0.00	148.88	132.34
01/29/09	184,000	1,620	30,600	5,250	24,000	<4.75	NP	15.15	0.00	148.88	133.74
02/16/09	42,900	525	5,570	<5.25	7,560	<4.75	NP	11.38	0.00	148.88	133.73
05/06/09	2,660	8.7	184	76	452	3.4	NP	16.53	0.00	148.88	137.50
12/14/09	65,600	384.0	3,610	1,290	9,340	<0.19	NP	15.21	0.00	148.88	132.35
05/19/10	1,870	50	<0.24	105	1.8 J	10	NP	12.40	0.00	148.88	133.67
11/10/10	469	<0.18	<0.24	1.1 J	15	96	NP	13.65	0.00	148.88	136.48
06/08/11	4,390	10	<1.2	<1.05	1,450	<0.95	NP	16.56	0.00	148.88	135.23
12/14/11	9,350	30	520	370	2,400	15	NP	13.67	0.00	148.88	132.32
06/14/12	523	9.9	39	18	37	18	NP	14.38	0.00	148.88	135.21
											134.50
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	-	-	-

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230	-	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000	-	#N/A	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	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	<0.30	<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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.09	0.00	149.62	135.53
12/14/09	131	2.4	14	2.6J	14	<0.19	NP	16.53	0.00	149.62	133.09
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.01	0.00	149.62	135.61
11/10/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.09	0.00	149.62	135.53
06/08/11	4,100	29	437	161	816	<0.19	NP	16.48	0.00	149.62	133.14
12/14/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.11	0.00	149.62	135.51
06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	3.2	NP	14.51	0.00	149.62	135.11
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
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
06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	5.3	NP	12.33	0.00	148.38	136.05
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
01/23/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.27	0.00	148.20	134.93
06/14/12	6,570	330	1,400	190	980	<1.9	NP	14.08	0.00	148.20	134.12
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.40	0.00	147.31	134.91
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.73	0.00	147.31	131.58
07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	NP	13.50	0.00	147.31	133.81
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	147.31	134.39
01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	NP	12.89	0.00	147.31	134.42
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.93	0.00	147.31	132.38
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.95	0.00	147.31	134.36
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
06/14/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.22	0.00	147.31	134.09

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

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

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

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

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

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

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

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

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	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	-	-
06/14/12	<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	-	-
06/14/12	<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	-	-
06/14/12	<0.2	<0.23	<0.19	260	-	-

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	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
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	23	-	-
06/08/11	<0.20	<0.23	<0.19	<5.2	-	-
12/14/11	<0.2	<0.23	<0.19	<5.2	-	-
06/14/12	<0.2	<0.23	<0.19	12	-	-
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	-	-
06/14/12	<0.2	<0.23	2.5	<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	-	-
01/23/12	<0.2	<0.23	<0.19	<5.2	-	-
06/14/12	<2	<2.3	<1.9	<52	-	-

**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-8						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
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	-	-
06/14/12	<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	<0.5	<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	-	System shut down for repair of electrical motor									
8/10/1992	197,890	196,221	-	Restart the system									
8/17/1992	201,300	199,631	487	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<0.5	<200	<0.5	<0.5	<0.5	<1
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<0.5	-	1.1	0.5	<0.5	10
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<0.5	-	720	46	<10	1,700
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<0.5	-	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	-	1,100	100	25	780
04/26/93	271,290	269,621	-	System shut down for repair									
07/15/93	272,577	270,908	16	Restart the system									
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	1.3	<0.5	<0.5	1.6
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	<0.5
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	430	41	36	480
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.									
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	7.7
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	170	1.5	<0.3	0.38	0.73
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	1,500	46	4.1	0.5	84
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	12,000	860	37	<13	1,600
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/10/95	742,072	481,445	339	-	-	-	-	-	<50	<0.3	<0.3	<0.3	<0.5
01/16/95	742,074	481,447	0	System shut down for repair of compressor pump									
02/06/95	742,074	481,447	-	Restart the system									
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.3	<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

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

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	3,820	<0.3	<0.3	<0.3	<0.6
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<50	<0.3	<0.3	<0.3	<0.6
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). System 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	-	-	-	-	-
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	128	<0.18	<0.14	<0.18	<0.26
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	9,860	<1.4	29	14	2,420
01/13/03	1,189,320	2,035,219	959	Shut down for QWS									

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	
01/15/03	1,189,320	2,035,219	-	Restart										
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off	-	-	-	-	-	-	-	-	-	-
03/28/03	1,257,710	2,103,609	-	Restart	-	-	-	-	-	-	-	-	-	-
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	14,000	20	20	2.2	14	
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS										
04/16/03	1,294,080	2,139,979	10	Restart	-	-	-	-	-	-	-	-	-	-
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-	-
04/28/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change										
05/07/03	1,302,710	2,148,609	-	Restart	-	-	-	-	-	-	-	-	-	-
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2,164,359	2,176	-	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS										
07/15/03	1,369,730	2,215,629	-	Restart	-	-	-	-	-	-	-	-	-	-
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	7,710	<0.04	<0.02	<0.02	<0.06	
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change										
08/29/03	1,411,560	2,257,459	3	Restart	-	-	-	-	-	-	-	-	-	-
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-	-
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-	-
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-	-
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer										
09/26/03	1,429,700	2,275,599	-	Restart	-	-	-	-	-	-	-	-	-	-
09/29/03	1,430,560	2,276,459	287	-	-	-	-	-	-	-	-	-	-	-
10/06/03	1,431,140	2,277,039	83	System shut down for QWS										
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	-	-	-	-	-
10/10/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/10/03	1,432,290	2,278,189	575	<15	<0.50	<0.70	<0.80	<3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/17/03	1,433,790	2,279,689	214	-	<0.04	<0.02	<0.02	<0.06	16,200	<0.04	4.4	4.8	46	
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	-	-	-	-	-	-
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	Split-sample results (sample collected by us)					
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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 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	-	-	-	-	-
05/26/06	1,909,780	2,755,679	657	-	-	-	-	-	683,000	3,600	135,000	25,100	165,000
06/02/06	1,911,010	2,756,909	176	-	-	-	-	-	-	-	-	-	-
06/09/06	1,912,670	2,758,569	237	-	-	-	-	-	-	-	-	-	-
06/16/06	1,914,330	2,760,229	237	-	-	-	-	-	77,300	668	19,300	1,660	8,800
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 system 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											
05/03/07	1,994,500	2,840,399	295	Restart sytem after QWS										
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	-	-	-	-	-	-	-	-	-	-	-
06/29/07	2,016,480	2,862,379	968	-	-	-	-	-	15,800	186	1,890	410	2,060	-
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	-	-	-	-	-	-	-	-	-	-	-
12/21/07	2,091,340	2,943,359	630	-	-	-	-	-	3,980	102	869	229	1400	-
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	-	-	-	-	-	-
01/25/08	2,109,820	2,961,839	246	Restart sytem after QWS					804	54	3.2 J	45	11	
02/01/08	2,119,680	2,971,699	1,409	-	-	-	-	-	-	-	-	-	-	-
02/08/08	2,129,200	2,981,219	1,360	-	-	-	-	-	-	-	-	-	-	-
02/15/08	2,138,190	2,990,209	1,284	-	-	-	-	-	97,800	183	16,900	3,510	20,400	-
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	-	-	-	-	-	-	-	-	-	-	-	-

**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
06/05/08	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	-	-	-	-	-	-	-	-	-	-
07/03/08	2,221,620	3,073,639	1,076	-	-	-	-	-	26,600	54	721	629	4,320
07/09/08	2,230,580	3,082,599	1,493	<6.6	<0.18	<0.24	<0.21	<0.45	-	-	-	-	-
07/18/08	2,231,140	3,083,159	62	-	-	-	-	-	6,220	103	655	188	1,040
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	-	-	-	-	-	-	-	-	-	-
08/20/08	2,249,810	3,101,829	788	-	-	-	-	-	9,480	65	1,080	375	2,120
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	-	-	-	-	-	-	-	-	-	-	-	-	-
09/24/08	2,270,960	3,122,979	15	<6.6	<0.18	<0.24	<0.21	<0.45	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/26/08	2,272,540	3,124,559	790	-	-	-	-	-	Split-sample results during EBMUD inspection & sampling				
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	-	-	-	-	-	-	-	-	-	-
11/07/08	2,316,370	3,168,389	862	-	-	-	-	-	8,490	100	1,130	308	1,680
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	-	-	-	-	-
01/06/09	2,382,280	3,234,299	1,126	-	-	-	-	-	8,230	60	1,730	279	1,720
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	-	-	-	-	-	-	-	-	-	-	
07/27/10	2,485,420	3,337,439	120	-	-	-	-	-	7,270	11	570	29	494	
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					-	-	-	-	-	-
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	

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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
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	-	-	-	-	-	-	-	-	-	-
06/09/11	2,550,490	3,402,509	20	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
06/28/11	2,554,280	3,406,299	173	-	-	-	-	-	-	-	-	-	-
07/06/11	2,555,700	3,407,719	178	-	-	-	-	-	138,000	5,070	29,800	4,610	23,800
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	-	-	-	-	-	-	-	-	-	-
08/15/11	2,562,830	3,414,849	188	-	-	-	-	-	110,000	1,800	11,000	2,000	12,000
08/22/11	2,563,960	3,415,979	161	-	-	-	-	-	-	-	-	-	-
09/28/11	2,564,060	3,416,079	3	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
11/22/11	2,573,710	3,425,729	93	-	-	-	-	-	135,000	820	14,000	3,700	21,000
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	-	-	-	-	-	-	-	-	-	-
12/15/11	2,577,290	3,429,309	60	-	-	-	-	-	-	-	-	-	-
12/19/11	2,578,260	3,430,279	243	-	-	-	-	-	-	-	-	-	-
12/27/11	2,579,510	3,431,529	156	-	-	-	-	-	-	-	-	-	-
01/04/12	2,580,770	3,432,789	158	-	-	-	-	-	-	-	-	-	-
01/09/12	2,581,990	3,434,009	244	-	-	-	-	-	-	-	-	-	-
01/18/12	2,583,020	3,435,039	114	-	-	-	-	-	-	-	-	-	-
01/20/12	2,583,650	3,435,669	315	-	-	-	-	-	-	-	-	-	-
01/23/12	2,584,640	3,436,659	330	-	-	-	-	-	-	-	-	-	-
02/01/12	2,585,960	3,437,979	147	-	-	-	-	-	-	-	-	-	-
02/06/12	2,587,300	3,439,319	268	-	-	-	-	-	-	-	-	-	-
02/15/12	2,588,620	3,440,639	147	-	-	-	-	-	-	-	-	-	-
02/20/12	2,589,760	3,441,779	228	-	-	-	-	-	-	-	-	-	-
02/24/12	2,590,590	3,442,609	208	-	-	-	-	-	5,150	9.2	76	5.4 J	1,100
02/27/12	2,591,000	3,443,019	137	-	-	-	-	-	-	-	-	-	-
03/05/12	2,592,400	3,444,419	200	-	-	-	-	-	-	-	-	-	-
03/13/12	2,593,700	3,445,719	163	-	-	-	-	-	-	-	-	-	-
03/19/12	2,595,090	3,447,109	232	-	-	-	-	-	146	<0.18	<0.24	<0.21	<0.45
03/22/12	2,595,960	3,447,979	290	-	-	-	-	-	-	-	-	-	-

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

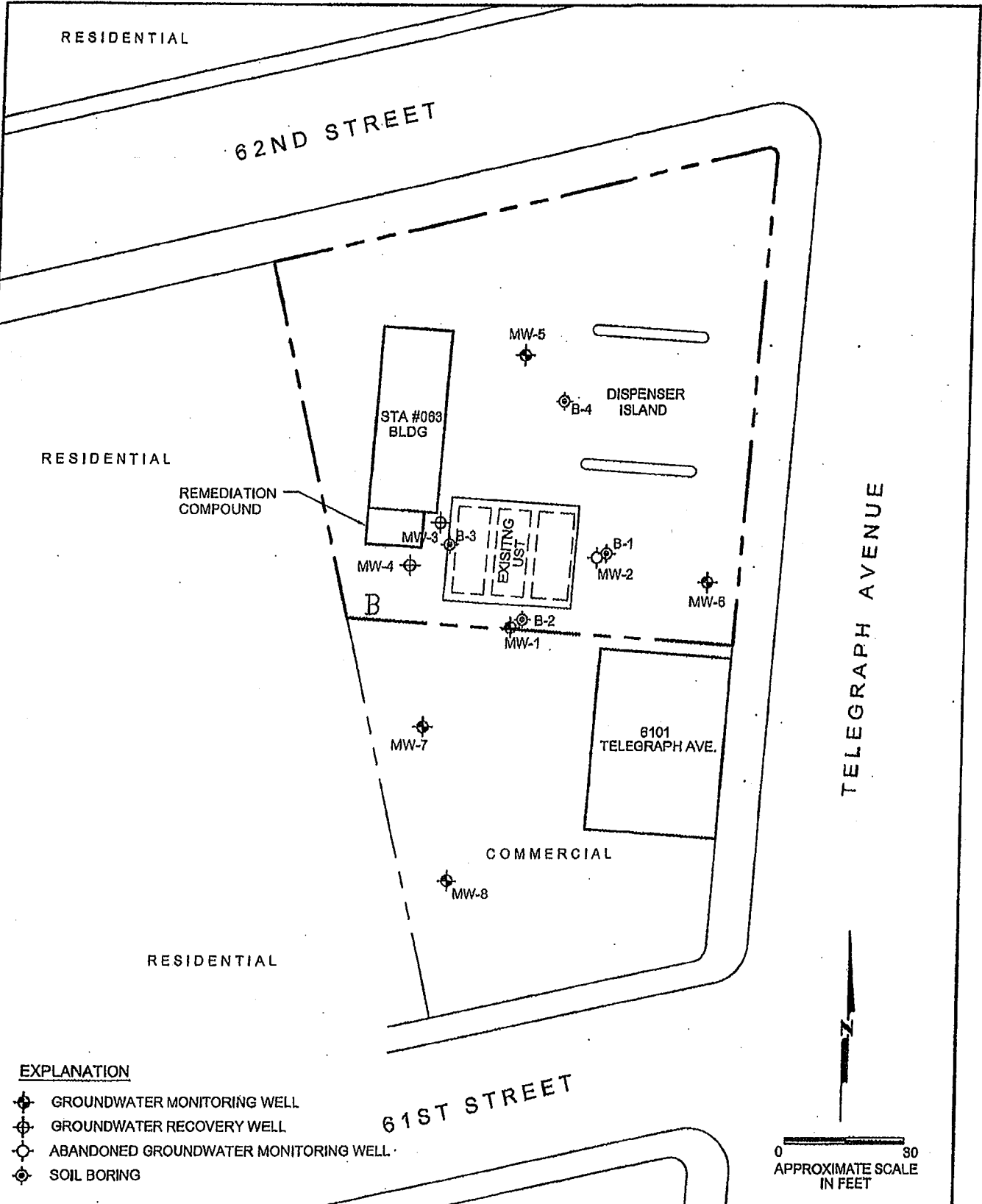
Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	
03/26/12	2,597,380	3,449,399	355	-	-	-	-	-	-	-	-	-	-	-
04/02/12	2,598,810	3,450,829	204	-	-	-	-	-	-	-	-	-	-	-
04/09/12	2,600,160	3,452,179	193	-	-	-	-	-	-	-	-	-	-	-
04/17/12	2,601,320	3,453,339	145	-	-	-	-	-	-	-	-	-	-	-
04/23/12	2,602,660	3,454,679	223	-	-	-	-	-	38,200	45	1,900	1,800	11,000	-
04/30/12	2,604,070	3,456,089	201	-	-	-	-	-	-	-	-	-	-	-
05/07/12	2,605,390	3,457,409	189	System was shutdown for carbon change										
05/16/12	2,605,450	3,457,469	7	System was restarted after carbon change										
05/21/12	2,606,770	3,458,789	264	-	-	-	-	-	6,010	13	170	110	790	-
05/29/12	2,608,110	3,460,129	168	-	-	-	-	-	-	-	-	-	-	-
06/04/12	2,609,430	3,461,449	220	-	-	-	-	-	-	-	-	-	-	-
06/11/12	2,610,710	3,462,729	183	-	-	-	-	-	-	-	-	-	-	-
06/12/12	2,610,940	3,462,959	230	System shutdown for QWS.										
06/18/12	2,610,940	3,462,959	-	System restarted after QWS.										
06/19/12	2,611,060	3,463,079	120	-	-	-	-	-	-	-	-	-	-	-
06/25/12	2,612,380	3,464,399	220	-	-	-	-	-	906	<0.18	<0.24	<0.21	170	-
				-	-	-	-	-	-	-	-	-	-	-

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
 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.

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

FIGURES



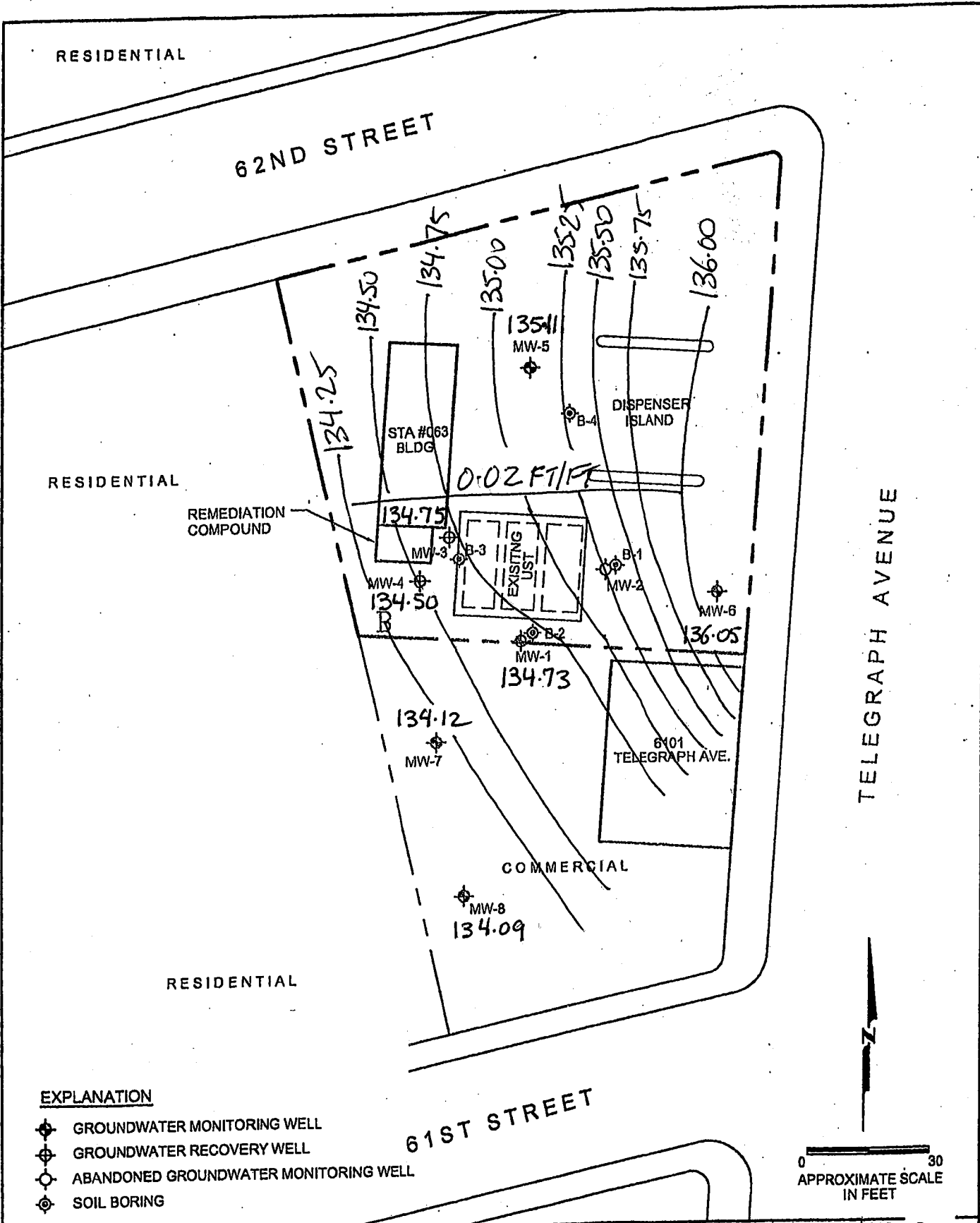
EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET



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



EXPLANATION

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



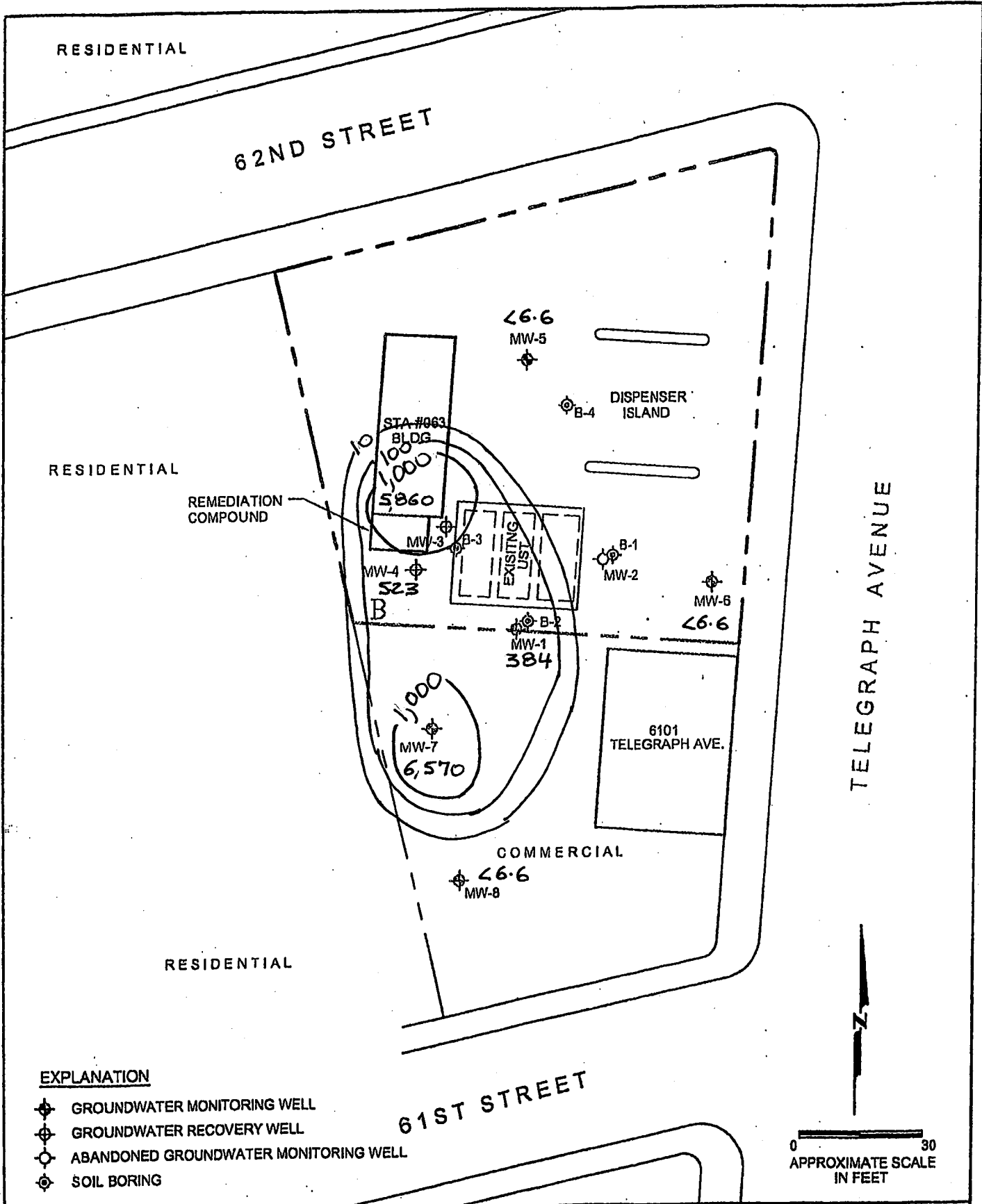
Groundwater gauging conducted on 6-14-12
 Elevations reported in feet above mean sea level
 * = not used to determine groundwater contour lines

Groundwater Elevation Contour Map

Thrifty Station No. 063
 6125 Telegraph Avenue
 Oakland, California

FIGURE:	2
SHEET:	of
REVISION NO:	0
DATE:	

PROJECT NO.



EXPLANATION

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

units in $\mu\text{g/L}$
 Samples collected on 6-14-12

TPH_g Isoconcentration Map

Thrifty Station No. 063
 6125 Telegraph Avenue
 Oakland, California

FIGURE:	3
SHEET:	of
REVISION NO.:	0
DATE:	

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

40-18

MW-5

DISPENSER
ISLAND

B-4

10

73

MW-3

EXISTING
UST

B-1

40-18

MW-2

MW-6

MW-4

9.9

B

B-2

MW-1

27

100

MW-7

330

6101
TELEGRAPH AVE.

40-18 COMMERCIAL

MW-8

RESIDENTIAL

TELEGRAPH AVENUE

61ST STREET

EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET

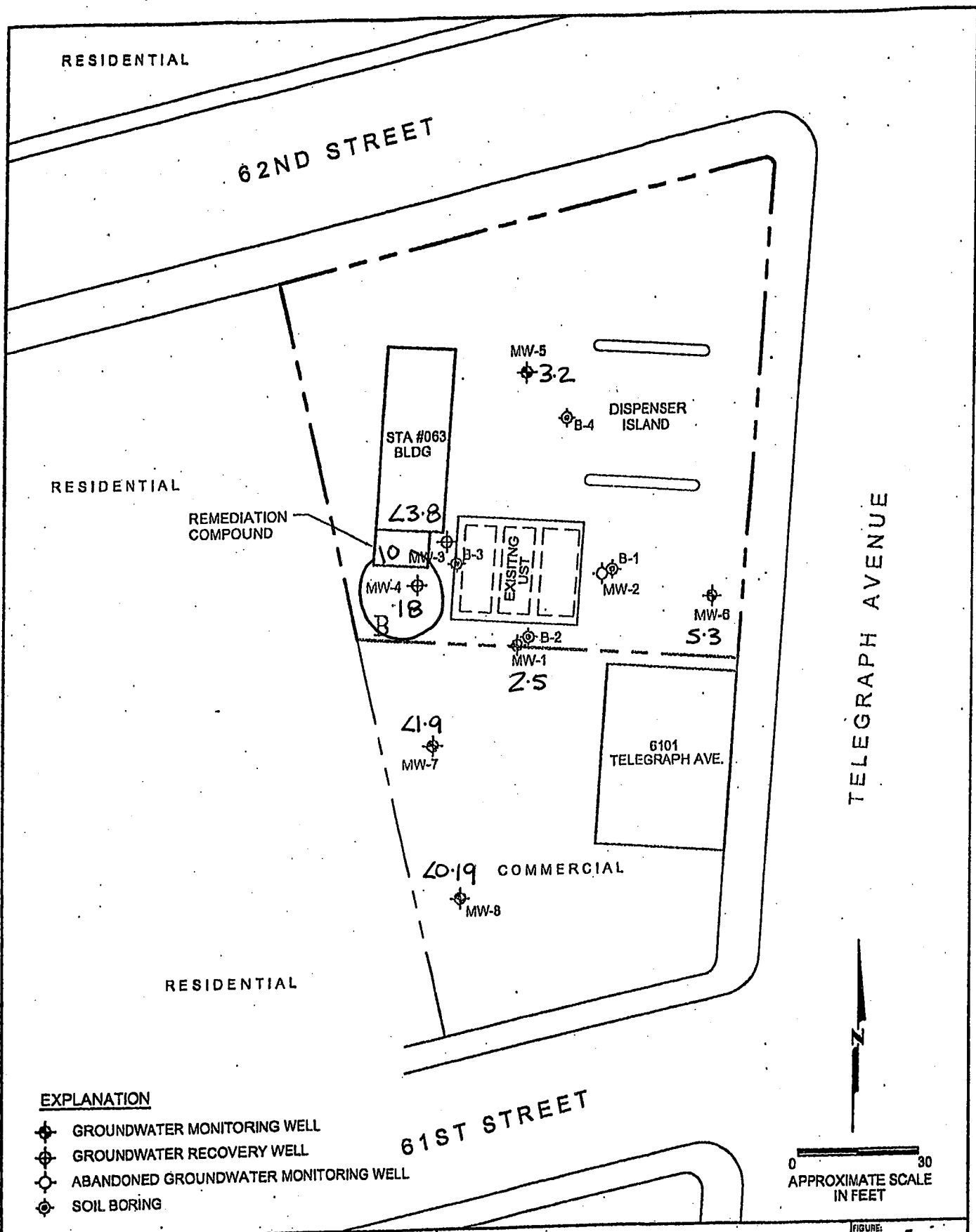
units in $\mu\text{g/L}$
Samples collected on 6-14-12

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	4
SHEET:	of
REVISION NO.:	0
DATE:	

PROJECT NO.



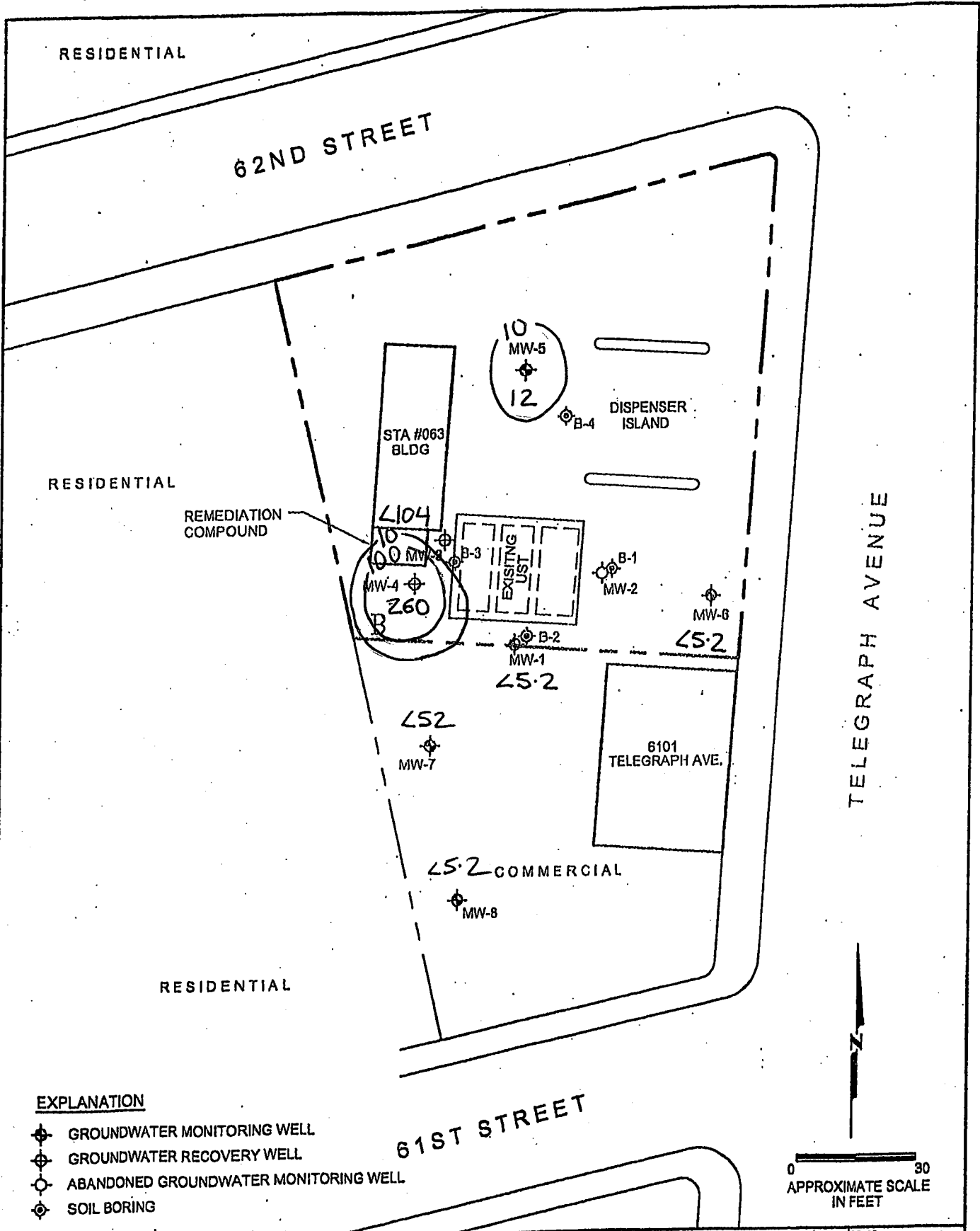
EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET



PROJECT NO.	units in $\mu\text{g/L}$ Samples collected on <u>6-14-12</u>	MTBE Isoconcentration Map Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California	FIGURE: <u>5</u>
			SHEET: of
			REVISION NO: <u>0</u>
			DATE:



EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET

units in $\mu\text{g/L}$
Samples collected on 6-14-12

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	6
SHEET:	of
REVISION NO.:	0
DATE:	

PROJECT NO.

APPENDIX A



Site Address .6125 Telegraph Ave
 City Oakland
 Sampled By: S. Edmunds
 Signature Slam Solata

Site Number Thrifty Oil 063
 Project Number 2150-0063-01
 Project PM K. Jones
 DATE 6-14-12

Well ID <u>MW-8</u>					Well ID <u>MW-7</u>						
Purge start time			Odor Y <input checked="" type="radio"/> N		Purge start time			Odor <input checked="" type="radio"/> N			
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time	<u>0742</u>	<u>18.4</u>	<u>6.47</u>	<u>611</u>	<u>0</u>	time	<u>0751</u>	<u>18.0</u>	<u>6.36</u>	<u>661</u>	<u>0</u>
time	<u>0744</u>	<u>18.4</u>	<u>6.48</u>	<u>622</u>	<u>1.25</u>	time	<u>0753</u>	<u>18.2</u>	<u>6.43</u>	<u>714</u>	<u>1</u>
time	<u>0746</u>	<u>18.6</u>	<u>6.47</u>	<u>638</u>	<u>2.5</u>	time	<u>0755</u>	<u>18.2</u>	<u>6.44</u>	<u>695</u>	<u>2</u>
time						time					
purge stop time			ORP <u>6</u>		purge stop time			ORP <u>26</u>			
Well ID <u>MW-3</u>					Well ID <u>MW-1</u>						
Purge start time			Odor <input checked="" type="radio"/> Y N		Purge start time			Odor <input checked="" type="radio"/> Y N			
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time	<u>0813</u>	<u>18.1</u>	<u>6.81</u>	<u>319</u>	<u>0</u>	time	<u>0820</u>	<u>18.1</u>	<u>6.62</u>	<u>445</u>	<u>0</u>
time	<u>0853</u>	<u>18.7</u>	<u>6.71</u>	<u>386</u>	<u>35</u>	time	<u>0824</u>	<u>17.3</u>	<u>6.77</u>	<u>462</u>	<u>3.5</u>
time	<u>1012</u>	<u>18.3</u>	<u>6.68</u>	<u>370</u>	<u>63</u>	time	<u>0831</u>	<u>17.4</u>	<u>6.76</u>	<u>455</u>	<u>8</u>
time						time					
purge stop time			ORP <u>-19</u>		purge stop time			ORP <u>-53</u>			
Well ID <u>MW-6</u>					Well ID <u>MW-5</u>						
Purge start time			Odor Y <input checked="" type="radio"/> N		Purge start time			Odor Y <input checked="" type="radio"/> N			
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time	<u>0841</u>	<u>17.9</u>	<u>6.73</u>	<u>329</u>	<u>0</u>	time	<u>0904</u>	<u>18.2</u>	<u>7.03</u>	<u>202</u>	<u>0</u>
time	<u>0851</u>	<u>17.9</u>	<u>6.86</u>	<u>366</u>	<u>13</u>	time	<u>0911</u>	<u>DRY @</u>	<u>9.0</u>	<u>Gallons</u>	
time	<u>0857</u>	<u>Dry @</u>	<u>16.5</u>	<u>gallons</u>		time					
time						time					
purge stop time			ORP <u>-33</u>		purge stop time			ORP <u>-54</u>			
Well ID <u>MW-4</u>					Well ID						
Purge start time			Odor <input checked="" type="radio"/> Y N		Purge start time			Odor Y N			
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons		
time	<u>0917</u>	<u>17.4</u>	<u>6.58</u>	<u>464</u>	<u>0</u>	time					
time	<u>0922</u>	<u>17.2</u>	<u>6.80</u>	<u>503</u>	<u>3.5</u>	time					
time	<u>0929</u>	<u>17.2</u>	<u>6.74</u>	<u>514</u>	<u>7</u>	time					
time						time					
purge stop time			ORP <u>-45</u>		purge stop time			ORP			

CHARGEABLE EQUIPMENT FORM

PROJECT NAME: Thrifty Oil 063
 PROJECT NO.: 2150-0063-01

TODAY'S DATE: 6-14-12
 TASK #: QM

PROJECT MNGR: K. Jones
 NAME: Shane Palmardy

Description	Daily Rate	Billable Materials	No. of Days	Total Cost	Description	Daily Rate	Billable Materials	No. of Days	Total Cost
WATER SAMPLING EQUIPMENT					O & M EQUIPMENT				
Water Sampling Equip (Flat Rate)	\$ 275.00		1		O & M Flat Rate	\$ 90.00			
Steam Cleaner *					Vacuum Pump *				
Generator *					PID *				
2" Submersible Pump *					FID *				
Interface Probe *					Tool Kit *				
Water Sounder *					BORING & WELL DRILLING EQUIPMENT				
pH Meter *					Hand Auger				
PVC Bailers *					PID *				
Teflon Bailers *					Water Sounder				
DI Water *					Brass Liners				
Tool Kit *					Tool Kit				
Bolt Cutters *					Nitrile Gloves				
Drum Dolly					Latex Gloves				
Safety Cones *					MOBILE COMMUNICATION				
Solvex Gloves					Pagers				
Nitrile Gloves *					Cell Phones				
Latex Gloves *					SAFETY EQUIPMENT				
WATER REPAIR EQUIPMENT					Level D Protection				
Locks					Level C Protection				
Locking Well Caps (2")					MISCELLANEOUS ITEMS				
Locking Well Caps (4")					1)				
Well Box (Emco-Wheaton)					2)				
Quick Dry Concrete					3)				
Roto Hammer					4)				

* Equipment is included under the respective Flat Rate Charge

PROJECT MANAGER'S SIGNATURE _____

TOTAL COST: _____

APPENDIX B



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: Simon Tregurtha
Project: Station #063 6125 Telegraph Ave., Oakland
Comments: 6125 Telegraph Ave., Oakland
Global ID: T0600101366

Lab Request: 305858
Report Date: 06/25/2012
Date Received: 06/19/2012

Client ID: 8871

1.124037
RECEIVED
JUN 25 2012 JS
ST
ENVIRONMENTAL
SS#063

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.

<u>Sample #</u>	<u>Client Sample ID</u>
305858-001	TOC #063 MW-1
305858-002	TOC #063 MW-3
305858-003	TOC #063 MW-4
305858-004	TOC #063 MW-5
305858-005	TOC #063 MW-6
305858-006	TOC #063 MW-7
305858-007	TOC #063 MW-8
305858-008	TOC #063 TB

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 305858-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-1
 Collect Date: 06/14/12 Site:
 Collect Time: 09:38 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1127231			
TPH Gasoline	384	1	6.6	50	ug/L	06/19/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	106	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1127253			
Benzene	27	1	0.18	1	ug/L	06/20/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	06/20/12	akk
Ethylbenzene	15	1	0.21	5	ug/L	06/20/12	akk
Ethyl-terbutylether (ETBE)	ND	1	0.23	1	ug/L	06/20/12	akk
Methyl-t-butyl Ether (MTBE)	2.5	1	0.19	1	ug/L	06/20/12	akk
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	06/20/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	06/20/12	akk
Toluene	ND	1	0.24	5	ug/L	06/20/12	akk
Xylenes (Total)	4.6J	1	0.45	5	ug/L	06/20/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	113	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	94	70-145
Toluene-d8 (SUR)	98	70-145

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



Sample #: 305858-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-3
 Collect Date: 06/14/12 Site:
 Collect Time: 10:13 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QC Batch ID: QC1127231				
TPH Gasoline	5860	10	66	500	ug/L	06/19/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	88	60-140

Method: EPA 8260B	Prep Method: EPA 5030B		QC Batch ID: QC1127253				
Benzene	73	20	3.6	20	ug/L	06/20/12	akk
Di-isopropyl ether (DIPE)	ND	20	4	20	ug/L	06/20/12	akk
Ethylbenzene	170	20	4.2	100	ug/L	06/20/12	akk
Ethyl-terbutylether (ETBE)	ND	20	4.6	20	ug/L	06/20/12	akk
Methyl-t-butyl Ether (MTBE)	ND	20	3.8	20	ug/L	06/20/12	akk
t-Butyl alcohol (TBA)	ND	20	104	200	ug/L	06/20/12	akk
Tert-amylmethylether (TAME)	ND	20	3.8	20	ug/L	06/20/12	akk
Toluene	840	20	4.8	100	ug/L	06/20/12	akk
Xylenes (Total)	1000	20	9	100	ug/L	06/20/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	122	70-145
4-Bromofluorobenzene (SUR)	93	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	97	70-145

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



Sample #: 305858-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-4
 Collect Date: 06/14/12 Site:
 Collect Time: 10:53 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1127244			
TPH Gasoline	523	1	6.6	50	ug/L	06/21/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1127291			
Benzene	9.9	1	0.18	1	ug/L	06/21/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	06/21/12	ryanp
Ethylbenzene	18	1	0.21	5	ug/L	06/21/12	ryanp
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	06/21/12	ryanp
Methyl-t-butyl Ether (MTBE)	18	1	0.19	1	ug/L	06/21/12	ryanp
t-Butyl alcohol (TBA)	260	1	5.2	10	ug/L	06/21/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	06/21/12	ryanp
Toluene	39	1	0.24	5	ug/L	06/21/12	ryanp
Xylenes (Total)	37	1	0.45	5	ug/L	06/21/12	ryanp

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	114	70-145
4-Bromofluorobenzene (SUR)	113	70-145
Dibromodifluoromethane (SUR)	93	70-145
Toluene-d8 (SUR)	96	70-145

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



Sample #: 305858-004 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-5
 Collect Date: 06/14/12 Site:
 Collect Time: 11:06 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1127232				
TPH Gasoline	ND	1	6.6	50	ug/L	06/20/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1127253				
Benzene	ND	1	0.18	1	ug/L	06/20/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	06/20/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/20/12	akk
Ethyl-terbutylether (ETBE)	ND	1	0.23	1	ug/L	06/20/12	akk
Methyl-t-butyl Ether (MTBE)	3.2	1	0.19	1	ug/L	06/20/12	akk
t-Butyl alcohol (TBA)	12	1	5.2	10	ug/L	06/20/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	06/20/12	akk
Toluene	ND	1	0.24	5	ug/L	06/20/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	06/20/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	120	70-145
4-Bromofluorobenzene (SUR)	96	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	95	70-145

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



Sample #: 305858-005 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-6
 Collect Date: 06/14/12 Site:
 Collect Time: 10:41 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1127232				
TPH Gasoline	ND	1	6.6	50	ug/L	06/20/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	92	60-140

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1127253				
Benzene	ND	1	0.18	1	ug/L	06/20/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	06/20/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/20/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	06/20/12	akk
Methyl-t-butyl Ether (MTBE)	5.3	1	0.19	1	ug/L	06/20/12	akk
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	06/20/12	akk
Tert-amylmethylether (TAME)	2.5	1	0.19	1	ug/L	06/20/12	akk
Toluene	ND	1	0.24	5	ug/L	06/20/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	06/20/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	124	70-145
4-Bromofluorobenzene (SUR)	98	70-145
Dibromodifluoromethane (SUR)	96	70-145
Toluene-d8 (SUR)	97	70-145

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



Sample #: 305858-006 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-7
 Collect Date: 06/14/12 Site:
 Collect Time: 10:02 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1127244			
TPH Gasoline	6570	5	33	250	ug/L	06/21/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	89	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1127291			
Benzene	330	10	1.8	10	ug/L	06/21/12	ryanp
Di-isopropyl ether (DIPE)	ND	10	2	10	ug/L	06/21/12	ryanp
Ethylbenzene	190	10	2.1	50	ug/L	06/21/12	ryanp
Ethyl-terbutylether (ETBE)	ND	10	2.3	10	ug/L	06/21/12	ryanp
Methyl-t-butyl Ether (MTBE)	ND	10	1.9	10	ug/L	06/21/12	ryanp
t-Butyl alcohol (TBA)	ND	10	52	100	ug/L	06/21/12	ryanp
Tert-amylmethylether (TAME)	ND	10	1.9	10	ug/L	06/21/12	ryanp
Toluene	1400	10	2.4	50	ug/L	06/21/12	ryanp
Xylenes (Total)	980	10	4.5	50	ug/L	06/21/12	ryanp

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	105	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	96	70-145
Toluene-d8 (SUR)	93	70-145

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



Sample #: 305858-007 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 MW-8
 Collect Date: 06/14/12 Site:
 Collect Time: 09:51 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1127232				
TPH Gasoline	ND	1	6.6	50	ug/L	06/20/12	sandyw

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	93	60-140

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1127253				
Benzene	ND	1	0.18	1	ug/L	06/21/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	06/21/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/21/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	06/21/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	06/21/12	akk
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	06/21/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	06/21/12	akk
Toluene	ND	1	0.24	5	ug/L	06/21/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	06/21/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	124	70-145
4-Bromofluorobenzene (SUR)	98	70-145
Dibromodifluoromethane (SUR)	101	70-145
Toluene-d8 (SUR)	98	70-145

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



Sample #: 305858-008 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC #063 TB
 Collect Date: 06/14/12 Site:
 Collect Time: 09:38 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1127232				
TPH Gasoline	ND	1	6.6	50	ug/L	06/19/12	sandyw

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	92	60-140

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1127253				
Benzene	ND	1	0.18	1	ug/L	06/20/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/20/12	akk
Toluene	ND	1	0.24	5	ug/L	06/20/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	06/20/12	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	129	70-145
4-Bromofluorobenzene (SUR)	97	70-145
Dibromodifluoromethane (SUR)	102	70-145
Toluene-d8 (SUR)	95	70-145

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



CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY <u>THALFAY OIL COMPANY</u>	PROJECT NAME <u>TOC #63</u>	PROJECT NUMBER <u>TOC #63</u>	PROJECT NUMBER <u>TOC #63</u>
SEND REPORT TO: <u>Simon Tregurtha</u>	ADDRESS: <u>6125 Telegraph Ave Oakland, Ca</u>	ADDRESS: <u>6125 Telegraph Ave Oakland, Ca</u>	ADDRESS: <u>6125 Telegraph Ave Oakland, Ca</u>
PHONE: <u>(562) 921-3681</u>	RO. #:	SAMPLED BY: <u>Shane Edmunds</u>	

Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	Test Instructions & Comments
MW-1 ✓	6-14	0938	AQ	6V	HCL	
MW-3 ✓		1013				
MW-4 ✓		1053				
MW-5 ✓		1106				
MW-6 ✓		1041				
MW-7 ✓		1062				
MW-8 ✓		0951				
TB ✓	6-14	0938	AQ	2V	HCL	

REQUIRED TURN AROUND TIME: Standard: 24 Hours: 48 Hours: 72 Hours:

EDF To600101366

ANALYSIS REQUEST: GLP BTEX 5 DYS

Test Instructions & Comments:
 Please also email EDF confirmation of lab report to:
 kesseyjones@stratistics.net

Total No. of Samples:	Method of Shipment:		Preservative: 1 = Ice 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other	
Relinquished by	1. Received By:	2. Relinquished by	3. Received By:	3. Received By:
Signature: <u>Shane Edmunds</u>	Signature: <u>Daniel Lee</u>	Signature:	Signature:	Signature:
Printed Name: <u>Shane Edmunds</u>	Printed Name: <u>Daniel Lee</u>	Printed Name:	Printed Name:	Printed Name:
Date: <u>6/19/12</u>	Date: <u>6/19/12</u>	Date:	Date:	Date:
Time: <u>807</u>	Time: <u>807</u>	Time:	Time:	Time:



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: TOC Project: _____
 Date Received: 6/19/12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: GSO

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

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

Section 4
 Explanations/Comments

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

Completed By: Farid Ell Date: 6/19/12

Log-in Reviewed by: _____ Date: _____

APPENDIX C

PERSONNEL: SERBAN D.

DATE: 06-25-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <u>ON</u> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4			
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>14.36</u>	<u>14.53</u>			
TOP OF PUMP (FT.)	<u>15.20</u>	<u>15.61</u>			
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CHANGED</u>	Last oil change <u>06.04.12</u>	Air compressor drained <u>Y/N</u>	
FILTER BAG	Replaced <u>YES / NO</u>	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>0.12</u>	Comments:						<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.5</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K</u>				
WATER LINE	TOTALIZER <u>2612380</u> (gallons)	PREVIOUS <u>2611060</u> (gallons)	PREVIOUS DATE: <u>06-19-2012</u>	DIFFERENCE <u>132</u> (gallons)				

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <u>ON</u> OFF	Comments: <u>SYSTEM RUNNING O.K -</u>
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COMMENTS / WORK PERFORMED: - CHANGE OIL FOR COMPRESSOR
- CHECK AIR FILTER FOR COMPRESSOR AND
REPLACE FILTERS FOR FILTER/REGULATOR
FOR MW-3 AND MW-4 DUMPS

PERSONNEL: SERBAN P.

DATE: 06-19-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>15.78</u>	<u>16.22</u>		
TOP OF PUMP (FT.)	<u>16.82</u>	<u>17.31</u>		
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CHIEFL</u>	Last oil change <u>06.04.12</u>	Air compressor drained <u>Y/N</u>	
FILTER BAG	Replaced <u>YES / N</u>	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:						<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal. type)	1st. Vessel pressure <u>2.5</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.8</u> (psi)	Condition of vessels / Comments <u>O.K.</u>				
WATER LINE	TOTALIZER <u>2611060</u> (gallons)	PREVIOUS <u>2610940</u> (gallons)	PREVIOUS DATE: <u>06-18-2012</u>	DIFFERENCE <u>12</u> (gallons)				

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: - TAKE WATER SAMPLING FROM SYSTEM
- WATER FROM WELLS SAMPLING WAS PUMP IN
HOLDING TANK AND THROUGH 3 CARBON DRUMS TO
SEWER LINE



EARTH MANAGEMENT CO.

Environmental Remediation

GW REMEDIATION SYSTEM FIELD RECORD FORM

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERRAN P

DATE: 06-18-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON / <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)				
TOP OF PUMP (FT.)				
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>checked</u>	Last oil change <u>06.04.12</u>	Air compressor drained <u>Y/N</u>	
FILTER BAG	Replaced YES / NO	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWts
BATCH TANK	Condition	Comments:						<u>N/A</u>
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 <u>2610440</u> (gallons)	PREVIOUS <u>2610440</u> (gallons)	PREVIOUS DATE: <u>06-12-2012</u>	DIFFERENCE <u>0</u> (gallons)				

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>15:00</u>	GWT System: <input checked="" type="radio"/> ON / <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: RESTART SYSTEM AFTER WATER SAMPLING FROM WELLS

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS



SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 063
 ADDR: 6125 TELEGRAPH
OKLAHOMA 94609
 DATE: 06-18-2012
 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	X			2610940	
FPR	FP Recovery					
O	Other:					

UTILITIES:
 Electrical Meter: N/A
 Nat gas Meter: N/A
 Propene Tank Level: N/A

OTHER NOTES:
RESTART SYSTEM AFTER WELLS WATER
SAMPLING,

ALWAYS OBSERVE SAFETY PROCEDURES!



SYSTEM STARTUP SHUTDOWN REPORT

SITE: TOC 063
 ADDR: 6125 TELEGRAPH AVE
OAKLAND 94609
 DATE: 06-12-2012
 PERSON: SEPATH, 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		X		2610940	
FPR	FP Recovery					
O	Other					

UTILITIES:

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

OTHER NOTES:

SYSTEM WAS SHUT DOWN FOR WATER SAMPLING WELLS

ALWAYS OBSERVE SAFETY PROCEDURES!

PERSONNEL: SERBAN P.

DATE: 06-11-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>15.39</u>	<u>16.52</u>		
TOP OF PUMP (FT.)	<u>16.52</u>	<u>17.61</u>		
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>ADD OIL</u>	Last oil change <u>06-04-12</u>	Air compressor drained <u>Y/N</u>	
FILTER BAG	Replaced <u>YES / NO</u>	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:						<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.5</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.8</u> (psi)	Condition of vessels / Comments <u>O.K.</u>				
WATER LINE	TOTALIZER <u>2610710</u> (gallons)	PREVIOUS <u>2609430</u> (gallons)	PREVIOUS DATE: <u>06-04-2012</u>	DIFFERENCE <u>128</u> (gallons)				

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK BELT, ADD OIL TO COMPRESSOR, CHECK PUMP IN MW-3

PERSONNEL:

SERBATT N

DATE:

06-04-2012

ARRIVAL	TIME: 8:00	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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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.)	13.22	13.40		
TOP OF PUMP (FT.)	14.36	14.60		
SAMPLES COLLECTED	Y / N	Y / N	Y / N	Y / N

AIR COMPRESSOR	Tank Pressure: 110 (psi)	Regulated Pressure: 90 (psi)	Belt checked: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Lube / grease: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Oil Added / Changed: CITANOR	Last oil change: 04.16.12	Air compressor drained: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	
FILTER BAG	Replaced: YES / <input checked="" type="checkbox"/> NO	Comments:					UTILITIES	Electrical Meter: N/A kWh
BATCH TANK	Condition: O.K.	Comments:						N/A kWh
CARBON DRUMS 3 X 200LBS. (55 gal. type)	1st. Vessel pressure: 2.5 (psi)	2nd. Vessel pressure: 1.3 (psi)	3rd. Vessel pressure: 0.8 (psi)	Condition of vessels / Comments: O.K.				
WATER LINE	TOTALIZER: 2609430 (gallons)	PREVIOUS: 2608110 (gallons)	PREVIOUS DATE: 05-29-2012	DIFFERENCE: 132 (gallons)				

WATER Samples Collected	INLET from Wells: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Batch Tank: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Intermediate-1: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Intermediate-2: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	OUTLET Discharge: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
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DEPARTURE	TIME: 11:30	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: SYSTEM RUNNING O.K.
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COMMENTS / WORK PERFORMED:

- CHECK TRANSFER PUMP
- CHANGE OIL, BELT

PERSONNEL: SERBACH P.

DATE: 05-16-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: ON / <input checked="" type="radio"/> 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%)	<u>100%</u>	<u>100%</u>				
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)				
DTW (FT.)						
TOP OF PUMP (FT.)						
SAMPLES COLLECTED	<u>Y / <input checked="" type="checkbox"/> N</u>	<u>Y / <input checked="" type="checkbox"/> N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Bolt checked <u>Y / <input checked="" type="checkbox"/> N</u>	Lube / grease <u>Y / <input checked="" type="checkbox"/> N</u>	Oil Added / Changed	Last oil change	Air compressor drained <u>Y / <input checked="" type="checkbox"/> N</u>
FILTER BAG	Replaced <u>YES / NO</u>	Comments:					UTILITIES Electrical Meter kWh
BATCH TANK	Condition <u>0.12.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.</u> (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments			
WATER LINE	TOTALIZER <u>2605450</u> AFTER RESTART (gallons)	PREVIOUS <u>2605340</u> (gallons)	PREVIOUS DATE: <u>05-07-2012</u>	DIFFERENCE <u>60</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y / <input checked="" type="checkbox"/> N</u>	Batch Tank <u>Y / <input checked="" type="checkbox"/> N</u>	Intermediate-1 <u>Y / <input checked="" type="checkbox"/> N</u>	Intermediate-2 <u>Y / <input checked="" type="checkbox"/> N</u>	OUTLET Discharge <u>Y / <input checked="" type="checkbox"/> N</u>	
DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON / OFF	Comments: <u>SYSTEM RUNNING O.K.</u>			

COMMENTS / WORK PERFORMED: - AFTER CHANGE CARBON RESTART BY SYSTEM
- FLOWMETER 2605450 ft

SITE:

ADDR:

DATE:

PERSON:

TOC - 063
6125 TELEGRAPH A
ORLANDO
05-16-2012
SEBASTIAN P

Remediation System Types:

- AS
 SVB
 DPE
 GWT
 FPR
 Other

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVB	Soil Vapor Extraction					CHANGE CARBON
DPE	Dust-Phase Extraction					
GWT	Groundwater Treatment					
FPR	FP Recovery				2605450	
O	Other:					

UTILITIES:

Electrical Meter:

N/A

Nat. gas Meter:

N/A

Propane Tank Level:

N/A

OTHER NOTES:

REPLACE CARBON DRUMS AND RESTART SYSTEM

ALWAYS OBSERVE SAFETY PROCEDURES!



SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 063
 ADDR: 6125 TELEGRAPH AV.
OAK LAITHS 94609.
 DATE: 05-07-2012
 PERSON: SEBRAN

Remediation System Types: 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		✓		2605390	CHANGE CARBON
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 CHANGE CARBON.

ALWAYS OBSERVE SAFETY PROCEDURES!

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBAN P.

DATE: 05-07-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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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	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked Y/N	Lube / grease Y/N	Oil Added / Changed	Last oil change	Air compressor drained Y/N
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FILTER BAG	Replaced YES / NO	Comments:	UTILITIES Electrical Meter kWh
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BATCH TANK	Condition	Comments:
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CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments
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WATER LINE	TOTALIZER <u>2605390</u> (gallons)	PREVIOUS <u>2604070</u> (gallons)	PREVIOUS DATE: <u>04-30-2012</u>	DIFFERENCE <u>132</u> (gallons)
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WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>15:00</u>	GWT System: <input type="radio"/> ON <input checked="" type="radio"/> OFF	Comments:
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COMMENTS / WORK PERFORMED: SYSTEM WAS SHUT DOWN FOR CHANGE CARBON

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION:
MAINTENANCE
C) NAME OF REPORTING PARTY AND DATE: SERBATH P
D) DATE SCHEDULED: 05-03-2012

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF NOT, PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - MAINTENANCE PUMP FROM MW-3
- CHECK AND REPLACE FILTER (AIR)
FOR FILTER/REGULATOR FOR MW-4 PUMP

PERSONNEL: SERBAN P.

DATE: 04-30-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>14.32</u>	<u>14.54</u>		
TOP OF PUMP (FT.)	<u>15.52</u>	<u>15.75</u>		
SAMPLES COLLECTED	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y / N</u>	Lube / grease <u>Y / N</u>	Oil Added / Changed <u>ADDED</u>	Last oil change <u>04-29-12</u>	Air compressor drained <u>Y / N</u>
FILTER BAG	Replaced <u>YES / NO</u>	Comments: <u>NO BAG</u>				UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:					<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.2</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>			
WATER LINE	TOTALIZER <u>2604070</u> (gallons)	PREVIOUS <u>2602660</u> (gallons)	PREVIOUS DATE: <u>04-23-2012</u>	DIFFERENCE <u>141</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y / N</u>	Batch Tank <u>Y / N</u>	Intermediate-1 <u>Y / N</u>	Intermediate-2 <u>Y / N</u>	OUTLET Discharge <u>Y / N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: - CHECK TRANSFER PUMP
- CHECK CARBON DRUMS FOR CONDITION,

PERSONNEL: SERBAN P

DATE: 04-23-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)		<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE		<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)		<u>14.32</u>	<u>14.52</u>			
TOP OF PUMP (FT.)		<u>15.72</u>	<u>16.02</u>			
SAMPLES COLLECTED		<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <input checked="" type="checkbox"/> Y/N	Lube / grease <input checked="" type="checkbox"/> Y/N	Oil Added / Changed <u>ADDED</u>	Last oil change <u>03.26.12</u>	Air compressor drained <input checked="" type="checkbox"/> Y/N	
FILTER BAG	Replaced YES / NO <input checked="" type="checkbox"/> Y/N	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:						<u>N/A</u>
CARBON DRUMS	3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>			
WATER LINE	TOTALIZER <u>2602660</u> (gallons)	PREVIOUS <u>2601320</u> (gallons)	PREVIOUS DATE: <u>04-17-2012</u>	DIFFERENCE <u>134</u> (gallons)				

WATER Samples Collected	INLET from Wells <input checked="" type="checkbox"/> Y/N	Batch Tank <input checked="" type="checkbox"/> Y/N	Intermediate-1 <input checked="" type="checkbox"/> Y/N	Intermediate-2 <input checked="" type="checkbox"/> Y/N	OUTLET Discharge <input checked="" type="checkbox"/> Y/N
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CHECK AIR FILTER FOR COMPRESSOR
CHECK TRANSFER PUMP
CHECK CARBON DRUMS CONDITION

PERSONNEL: SERBAN D.

DATE: 04-17-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>14.40</u>	<u>15.52</u>			
TOP OF PUMP (FT.)	<u>15.70</u>	<u>16.83</u>			
SAMPLES COLLECTED	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Lube / grease <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Oil Added / Changed <u>ADDED</u>	Last oil change <u>03.26.12</u>	Air compressor drained <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
FILTER BAG	Replaced <u>YES / NO</u>	Comments:					UTILITIES	Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:						<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal. type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>				
WATER LINE	TOTALIZER <u>2601320</u> (gallons)	PREVIOUS <u>2600160</u> (gallons)	PREVIOUS DATE: <u>04.09.2012</u>	DIFFERENCE <u>116</u> (gallons)				

WATER Samples Collected	INLET from Wells <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Batch Tank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Intermediate-1 <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Intermediate-2 <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	OUTLET Discharge <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
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DEPARTURE	TIME: <u>15:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: TAKE WATER SAMPLING FROM SYSTEM

A) SS #: 063. SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE
C) NAME OF REPORTING PARTY AND DATE: SERBATH P
D) DATE SCHEDULED : 04-12-2012

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

6) OTHER: - CHANGE OIL FOR COMPRESSOR
- CLEAN AIR FILTER FOR COMPRESSOR
- CHECK TRANSFER PUMP

PERSONNEL: SERBATT P.

DATE: 04-09-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>13.40</u>	<u>13.62</u>			
TOP OF PUMP (FT.)	<u>14.43</u>	<u>14.60</u>			
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>40</u> (psi)	Bolt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CAF-C12</u>	Last oil change <u>03.26.12</u>	Air compressor drained <u>Y/N</u>
FILTER BAG	Replaced <u>YES / N</u>	Comments: <u>NO BAG</u>					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>0.12.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.2</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>0.12</u>			
WATER LINE	TOTALIZER <u>26001.60</u> (gallons)	PREVIOUS <u>25988.10</u> (gallons)	PREVIOUS DATE: <u>03-26-2012</u>	DIFFERENCE <u>135</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: - CHECK PUMP IN MW-3
- CHECK AND CLEAN FILTER FOR FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS
- CHECK CARBON DRUMS FOR CONDITION

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION:
MAINTENANCE
C) NAME OF REPORTING PARTY AND DATE: **SERRAN P**
D) DATE SCHEDULED: **04-05-2012**

1) NAME:	DATE/TIME
2) FINDINGS:	
3) HAS THE JOB BEEN COMPLETED? <input checked="" type="radio"/> YES / <input type="radio"/> NO IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:	
4) POST REPAIR TEST RESULTS:	
5) THE CAUSE OF THE DEFICIENCY:	
BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECENICIAN:	
6) OTHER: - MAINTENANCE TRANSFER DUMP - REPLACE FILTERS FOR FILTER/REGULANT FOR MW-3 AND MW-4 PUMPS -	



EARTH MANAGEMENT CO.

Environmental Remediation

MAINTENANCE & REPAIR REPORT

063

S

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE
C) NAME OF REPORTING PARTY AND DATE: SERBATH P
D) DATE SCHEDULED : 04-04-2012

1) NAME:	DATE/TIME
2) FINDINGS:	
3) HAS THE JOB BEEN COMPLETED? YES/NO IF PROP, PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:	
4) POST REPAIR TEST RESULTS:	
5) THE CAUSE OF THE DEFICIENCY:	
BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECNICIAN:	
6) OTHER: - REPLACE AIR FILTER FROM COMPRESSOR - CHECK HOSES AND ELECTRIC WIRE FOR CONDITION (O.K.)	

PERSONNEL: SERBAN P.

DATE: 04-02-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>13.36</u>	<u>13.58</u>			
TOP OF PUMP (FT.)	<u>14.41</u>	<u>14.88</u>			
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CHECK</u>	Last oil change <u>03-26-12</u>	Air compressor drained <u>Y/N</u>
FILTER BAG	Replaced <u>YES</u> / <u>N</u>	Comments:					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.2</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>			
WATER LINE	TOTALIZER <u>2598810</u> (gallons)	PREVIOUS <u>2597380</u> (gallons)	PREVIOUS DATE: <u>03-26-2012</u>	DIFFERENCE <u>143</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP
CHECK CARBON DRUMS CONDITION (O.K.)



063

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION:
MAINTENANCE
C) NAME OF REPORTING PARTY AND DATE: SERBATH P
D) DATE SCHEDULED: 03-28-2012

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

OTHER: - CHANGE OIL FOR COMPRESSOR
- MAINTENANCE TRANSFER PUMP
- DRAIN RAIN WATER FROM COMPOUND FLOOR.

PERSONNEL: SERBAN P

DATE: 03-26-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>13.39</u>	<u>13.62</u>		
TOP OF PUMP (FT.)	<u>14.20</u>	<u>15.02</u>		
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CHANGED</u>	Last oil change <u>02.24.12</u>	Air compressor drained <u>Y/N</u>
FILTER BAG	Replaced <u>YES / N</u>	Comments: <u>NO BAG</u>					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>			
WATER LINE	TOTALIZER <u>2547380</u> (gallons)	PREVIOUS <u>2545960</u> (gallons)	PREVIOUS DATE: <u>03-22-2012</u>	DIFFERENCE <u>142</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y/N</u>	Batch Tank <u>Y/N</u>	Intermediate-1 <u>Y/N</u>	Intermediate-2 <u>Y/N</u>	OUTLET Discharge <u>Y/N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K. -</u>
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COMMENTS / WORK PERFORMED: - CHECK TRANSFER PUMP
- CLEAN AIR FILTER FOR COMPRESSOR AND
FILTER/REGULATOR FOR MW-3 AND MW4 PUMPS.

PERSONNEL: SERRAN P.

DATE: 03.22.2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON / <input type="radio"/> 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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>16.40</u>	<u>16.63</u>			
TOP OF PUMP (FT.)	<u>16.32</u>	<u>17.20</u>			
SAMPLES COLLECTED	<u>Y / ✓</u>	<u>Y / ✓</u>	<u>Y / N</u>	<u>Y / N</u>	

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>✓ / N</u>	Lube / grease <u>8 / N</u>	Oil Added / Changed <u>ADDED</u>	Last oil change <u>02.24.12</u>	Air compressor drained <u>✓ / N</u>
FILTER BAG	Replaced <u>YES / ✓</u>	Comments:					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>0.12.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>0.K.</u>			
WATER LINE	TOTALIZER <u>2595460</u> (gallons)	PREVIOUS <u>2595090</u> (gallons)	PREVIOUS DATE: <u>03.19.2012</u>	DIFFERENCE <u>87</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y / ✓</u>	Batch Tank <u>Y / ✓</u>	Intermediate-1 <u>Y / ✓</u>	Intermediate-2 <u>Y / ✓</u>	OUTLET Discharge <u>Y / ✓</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON / <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K</u>
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COMMENTS / WORK PERFORMED: - CHECK TRANSFER PUMP,
- CHECK DRUMS FOR WEARS
- CHECK AIR FILTER FROM COMPRESSOR AND
FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS

PERSONNEL: SERBIA PROTOPOPIESW

DATE: 03.05.2012

ARRIVAL	TIME:	GWT System:	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
	<u>8:00</u>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	
GW EXTRACTION WELLS	MW-3	MW-4	
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>	
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)	
DTW (FT.)	<u>14.33</u>	<u>15.52</u>	
TOP OF PUMP (FT.)	<u>15.62</u>	<u>16.14</u>	
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure	Regulated Pressure	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained
	<u>110</u> (psi)	<u>40</u> (psi)	<u>Y/N</u>	<u>Y/N</u>	<u>ADDED</u>		<u>Y/N</u>
FILTER BAG	Replaced	Comments:	UTILITIES	Electrical Meter			
	<u>YES / <input checked="" type="checkbox"/></u>			<u>N/A</u> kWh			
BATCH TANK	Condition	Comments:	UTILITIES				
	<u>O.K.</u>		<u>N/A</u>				
CARBON DRUMS	3 X 200LBS. (55 gal.type)	1st. Vessel pressure	2nd. Vessel pressure	3rd. Vessel pressure	Condition of vessels / Comments		
		<u>2.4</u> (psi)	<u>1.2</u> (psi)	<u>0.7</u> (psi)	<u>O.K.</u>		
WATER LINE	TOTALIZER	PREVIOUS	PREVIOUS DATE:	DIFFERENCE			
	<u>2592400</u> (gallons)	<u>254100</u> (gallons)	<u>02-27-2012</u>	<u>140</u> (gallons)			

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

DEPARTURE	TIME:	GWT System:	Comments:
	<u>11:30</u>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<u>SYSTEM RUNNING O.K.</u>

COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK AIR FILTER FOR COMPRESSOR AND PRESSURE/REGULATOR FOR MW-3 AND MW-4 PUMPS.



EARTH MANAGEMENT CO.

Environmental Remediation

MAINTENANCE & REPAIR REPORT

63

A) SS #: 003 SYSTEM TYPE:

B) DEFICIENCY DESCRIPTION:
 MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBATH P

D) DATE SCHEDULED: 02-29-2012

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

MAINTENANCE TRANSFER PUMPS
 - CLEAN FILTER FOR COMPRESSOR
 - CHECK AIR FILTER FROM FILTER

REGULATOR FOR UUV-3 AND MUY PUMPS

PERSONNEL: SFRANCA A

DATE: 02-24-2012

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

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked Y / N	Lube / grease Y / N	Oil Added / Changed	Last oil change	Air compressor drained 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 <u>2590540</u> (gallons)	PREVIOUS <u>2589760</u> (gallons)	PREVIOUS DATE: <u>02-20-2012</u>	DIFFERENCE <u>83-</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y / N</u>	Batch Tank <u>Y / N</u>	Intermediate-1 <u>Y / N</u>	Intermediate-2 <u>Y / N</u>	OUTLET Discharge <u>Y / N</u>
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DEPARTURE	TIME: <u>13:30</u>	GWT System: <u>ON</u> / OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: TOOK MONTHLY WATER SAMPLING FROM SYSTEM

PERSONNEL: SERBACH P.

DATE: 02-20-2012

ARRIVAL	TIME: <u>8:00</u>	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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>13.40</u>	<u>13.61</u>			
TOP OF PUMP (FT.)	<u>14.32</u>	<u>14.50</u>			
SAMPLES COLLECTED	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>40</u> (psi)	Belt checked <u>Y / N</u>	Lube / grease <u>Y / N</u>	Oil Added / Changed <u>ADDED</u>	Last oil change <u>02.15.12</u>	Air compressor drained <u>Y / N</u>
FILTER BAG	Replaced <u>YES / NO</u>	Comments:					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>O.K.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>			
WATER LINE	TOTALIZER <u>2589760</u> (gallons)	PREVIOUS <u>2588620</u> (gallons)	PREVIOUS DATE: <u>02-15-2012</u>	DIFFERENCE <u>113</u> (gallons)			

WATER Samples Collected	INLET from Wells <u>Y / N</u>	Batch Tank <u>Y / N</u>	Intermediate-1 <u>Y / N</u>	Intermediate-2 <u>Y / N</u>	OUTLET Discharge <u>Y / N</u>	
DEPARTURE	TIME: <u>11:30</u>	GWT System: <u>ON</u> / OFF	Comments: <u>SYSTEM RUNNING O.K.</u>			

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

PERSONNEL: SERBAN P.

DATE: 02-15-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>100%</u>	<u>100%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>13.56</u>	<u>13.78</u>		
TOP OF PUMP (FT.)	<u>14.82</u>	<u>15.06</u>		
SAMPLES COLLECTED	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>	<u>Y / N</u>

AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y / N</u>	Lube / grease <u>Y / N</u>	Oil Added / Changed <u>CITANGENT</u>	Last oil change	Air compressor drained <u>Y / N</u>
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FILTER BAG	Replaced YES / <u>N</u>	Comments: <u>NO FILTER BAG</u>	UTILITIES	Electrical Meter <u>N/A</u> kWh
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BATCH TANK	Condition <u>O.K.</u>	Comments:	UTILITIES	<u>N/A</u>
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CARBON DRUMS	3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.7</u> (psi)	Condition of vessels / Comments <u>O.K.</u>
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WATER LINE	TOTALIZER <u>2588620</u> (gallons)	PREVIOUS <u>2587300</u> (gallons)	PREVIOUS DATE: <u>02-06-2012</u>	DIFFERENCE <u>132</u> (gallons)
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WATER Samples Collected	INLET from Wells <u>Y / N</u>	Batch Tank <u>Y / N</u>	Intermediate-1 <u>Y / N</u>	Intermediate-2 <u>Y / N</u>	OUTLET Discharge <u>Y / N</u>
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DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CLEAN AIR FILTERS FOR FILTER/REGULATOR FOR MW-3 AND MW-4 PUMPS,
- MAINTENANCE COMPRESSOR -



**GW REMEDIATION SYSTEM
FIELD RECORD FORM**

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERBATH P.

DATE: 01-23-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System <input checked="" type="radio"/> ON / OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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GW EXTRACTION WELLS	MW-3	MW-4		
WATER - LINE VALVE (closed=0% - open=100%)	<u>200%</u>	<u>200%</u>		
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)		
DTW (FT.)	<u>14.20</u>	<u>16.32</u>		
TOP OF PUMP (FT.)	<u>15.64</u>	<u>17.67</u>		
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked	Lube / grease	Oil Added / Changed	Last oil change	Air compressor drained	
			<u>Y/N</u>	<u>Y/N</u>	<u>ADDED</u>	<u>01.04.12</u>	<u>Y/N</u>	
FILTER BAG	Replaced YES / <u>N</u>	Comments:					UTILITIES	Electrical Meter
BATCH TANK	Condition <u>O.K.</u>	Comments:						<u>N/A</u>
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi) <u>2.4</u>	2nd. Vessel pressure (psi) <u>1.2</u>	3rd. Vessel pressure (psi) <u>0.7</u>	Condition of vessels / Comments <u>O.K.</u>				
WATER LINE	TOTALIZER (gallons) <u>2584640</u>	PREVIOUS (gallons) <u>2583650</u>	PREVIOUS DATE: <u>01-20-2012</u>	DIFFERENCE (gallons) <u>99</u>				

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

DEPARTURE	TIME: <u>11:20</u>	GWT System: <input checked="" type="radio"/> ON / OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP, CHECK CARBON DRUMS FOR CONTAMINATION



**GW REMEDIATION SYSTEM
FIELD RECORD FORM**

6125 Telegraph Ave.,
Oakland, CA 94609

TOC # 063

PERSONNEL: SERDAN N

DATE: 01-20-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	IF OFF, REASON FOR SHUTDOWN AND ESTIMATED DATE & TIME OF SHUTDOWN
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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 / <input checked="" type="checkbox"/>	Y / <input checked="" type="checkbox"/>	Y / N	Y / N

AIR COMPRESSOR	Tank Pressure (psi)	Regulated Pressure (psi)	Belt checked Y / N	Lube / grease Y / N	Oil Added / Changed	Last oil change	Air compressor drained Y / N
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FILTER BAG	Replaced YES / NO	Comments:	UTILITIES	Electrical Meter kWh
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BATCH TANK	Condition	Comments:
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CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure (psi)	2nd. Vessel pressure (psi)	3rd. Vessel pressure (psi)	Condition of vessels / Comments
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WATER LINE	TOTALIZER <u>2583650</u> (gallons)	PREVIOUS <u>2582720</u> (gallons)	PREVIOUS DATE: <u>01-18-2012</u>	DIFFERENCE <u>930</u> (gallons)
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WATER Samples Collected	INLET from Wells <u>N</u>	Batch Tank <u>Y</u>	Intermediate-1 <u>N</u>	Intermediate-2 <u>N</u>	OUTLET Discharge <u>Y</u>
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DEPARTURE	TIME: <u>15:00</u>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: REPLACE PUMP IN MW-4,
TAKE WATER SAMPLING TO G.S.O

REV 7/25/11

PLEASE WRITE DOWN AND RECORD ALL FIELD OBSERVATIONS AND SITE CONDITIONS

PERSONNEL:

SERBAN P.

DATE:

01-18-2012

ARRIVAL	TIME: <i>8:00</i>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> 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%)	<i>100%</i>	<i>100%</i>			
AIR - LINE PRESSURE	<i>70</i> (psi)	<i>60</i> (psi)			
DTW (FT.)	<i>15.30</i>	<i>15.13</i>			
TOP OF PUMP (FT.)	<i>16.27</i>	<i>16.82</i>			
SAMPLES COLLECTED	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	<i>Y/N</i>	

AIR COMPRESSOR	Tank Pressure <i>110</i> (psi)	Regulated Pressure <i>90</i> (psi)	Belt checked <i>Y/N</i>	Lube / grease <i>Y/N</i>	Oil Added / Changed	Last oil change	Air compressor drained <i>Y/N</i>	
FILTER BAG	Replaced <i>YES / <input checked="" type="checkbox"/></i>	Comments:					UTILITIES	Electrical Motor <i>N/A</i> kWh
BATCH TANK	Condition <i>O.K.</i>	Comments:						<i>N/A</i>
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <i>2.3</i> (psi)	2nd. Vessel pressure <i>1.3</i> (psi)	3rd. Vessel pressure <i>0.6</i> (psi)	Condition of vessels / Comments <i>O.K.</i>				
WATER LINE	TOTALIZER <i>2583020</i> (gallons)	PREVIOUS <i>2581990</i> (gallons)	PREVIOUS DATE: <i>01-04-2012</i>	DIFFERENCE <i>103</i> (gallons)				

WATER Samples Collected	INLET from Wells <i>Y/N</i>	Batch Tank <i>Y/N</i>	Intermediate-1 <i>Y/N</i>	Intermediate-2 <i>Y/N</i>	OUTLET Discharge <i>Y/N</i>
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DEPARTURE	TIME: <i>11:30</i>	GWT System: <input checked="" type="radio"/> ON <input type="radio"/> OFF	Comments: <i>SYSTEM RUNNING.</i>
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COMMENTS / WORK PERFORMED: *CHECK TRAFFIC PUMP, CHECK PUMP IN MW-3, DRAIN WATER FROM COMPOUND FLOOR*

PERSONNEL: SERBAN A.

DATE: 01-04-2012

ARRIVAL	TIME: <u>8:00</u>	GWT System: <input checked="" type="radio"/> 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%)	<u>100%</u>	<u>100%</u>			
AIR - LINE PRESSURE	<u>70</u> (psi)	<u>60</u> (psi)			
DTW (FT.)	<u>13.46</u>	<u>13.69</u>			
TOP OF PUMP (FT.)	<u>15.22</u>	<u>15.47</u>			
SAMPLES COLLECTED	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

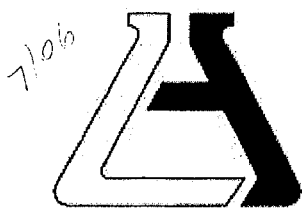
AIR COMPRESSOR	Tank Pressure <u>110</u> (psi)	Regulated Pressure <u>90</u> (psi)	Belt checked <u>Y/N</u>	Lube / grease <u>Y/N</u>	Oil Added / Changed <u>CITACOR</u>	Last oil change <u>12.05.11</u>	Air compressor drained <u>Y/N</u>
FILTER BAG	Replaced <u>YES</u> / <u>N</u>	Comments:					UTILITIES Electrical Meter <u>N/A</u> kWh
BATCH TANK	Condition <u>0.12.</u>	Comments:					
CARBON DRUMS 3 X 200LBS. (55 gal.type)	1st. Vessel pressure <u>2.4</u> (psi)	2nd. Vessel pressure <u>1.3</u> (psi)	3rd. Vessel pressure <u>0.6</u> (psi)	Condition of vessels / Comments <u>0.K.</u>			
WATER LINE	TOTALIZER <u>2580770</u> (gallons)	PREVIOUS <u>2579510</u> (gallons)	PREVIOUS DATE: <u>12.27.2011</u>	DIFFERENCE <u>126</u> (gallons)			

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

DEPARTURE	TIME: <u>11:30</u>	GWT System: <input checked="" type="radio"/> ON / OFF	Comments: <u>SYSTEM RUNNING O.K.</u>
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COMMENTS / WORK PERFORMED: CHECK TRANSFER PUMP
CHECK CARBON DRUMS FOR CONDITION (0.K.)

APPENDIX D



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: Station #063 ✓
 Comments: 6125 Telegraph Ave., Oakland

Lab Request: 306028 ✓
 Report Date: 06/27/2012
 Date Received: 06/21/2012
 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.

<u>Sample #</u>	<u>Client Sample ID</u>
306028-001	TOC# 063 Inlet
306028-002	TOC# 063 Int-1
306028-003	TOC# 063 Int-2

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.

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TESTING & CONSULTING
 Chemical
 Microbiological
 Environmental

Sample #: 306028-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Inlet
 Collect Date: 06/19/12 Site:
 Collect Time: 10:00 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1127338			
TPH Gasoline	906	1	6.6	50	ug/L	06/22/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	84	60-140

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1127343			
Benzene	ND	1	0.18	1	ug/L	06/23/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/23/12	akk
Methyl-t-butyl Ether (MTBE)	1.5	1	0.19	1	ug/L	06/23/12	akk
Toluene	ND	1	0.24	5	ug/L	06/23/12	akk
Xylenes (Total)	170	1	0.45	5	ug/L	06/23/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	108	70-145
4-Bromofluorobenzene (SUR)	100	70-145
Dibromodifluoromethane (SUR)	88	70-145
Toluene-d8 (SUR)	95	70-145

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



Sample #: 306028-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Int-1
 Collect Date: 06/19/12 Site:
 Collect Time: 10:15 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QC Batch ID: QC1127399			
TPH Gasoline	846	1	6.6	50	ug/L	06/25/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	88	60-140

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8260B	Prep Method: EPA 5030B			QC Batch ID: QC1127304			
Benzene	ND	1	0.18	1	ug/L	06/22/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/22/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	06/22/12	akk
Toluene	ND	1	0.24	5	ug/L	06/22/12	akk
Xylenes (Total)	150	1	0.45	5	ug/L	06/22/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	120	70-145
4-Bromofluorobenzene (SUR)	102	70-145
Dibromodifluoromethane (SUR)	95	70-145
Toluene-d8 (SUR)	93	70-145

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



Sample #: 306028-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Int-2
 Collect Date: 06/19/12 Site:
 Collect Time: 10:30 Collector: Client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1127338			
TPH Gasoline	ND	1	6.6	50	ug/L	06/22/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	76	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1127304			
Benzene	ND	1	0.18	1	ug/L	06/22/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	06/22/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	06/22/12	akk
Toluene	ND	1	0.24	5	ug/L	06/22/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	06/22/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	126	70-145
4-Bromofluorobenzene (SUR)	106	70-145
Dibromodifluoromethane (SUR)	100	70-145
Toluene-d8 (SUR)	96	70-145

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 306028

QCBatchID: QC1127304

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 06/22/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID QC1127304MS1, QC1127304MSD1

Source Sample #: 305999-001

Analysis Date: 06/22/12

Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD
1,1-Dichloroethene	ND	50	50	49	50	ug/L	98	100	2.0	59-172	22
Benzene	ND	50	50	47	47	ug/L	94	94	0.0	62-137	24
Chlorobenzene	ND	50	50	44	43	ug/L	88	86	2.3	60-133	24
Methyl-t-butyl Ether (MTBE)	ND	50	50	47	46	ug/L	94	92	2.2	62-137	21
Toluene	ND	50	50	46	45	ug/L	92	90	2.2	59-139	21
Trichloroethene	ND	50	50	44	42	ug/L	88	84	4.7	66-142	21

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1127304LCS1

Analysis Date: 06/22/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50		53		ug/L	106			59-172	-
Benzene	50		49		ug/L	98			62-137	-
Chlorobenzene	50		48		ug/L	96			60-133	-
Methyl-t-butyl Ether (MTBE)	50		47		ug/L	94			62-137	-
Toluene	50		51		ug/L	102			59-139	-
Trichloroethene	50		49		ug/L	98			66-142	-

QCLabID: QC1127304MB1

Analysis Date: 06/22/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 306028

QCBatchID: QC1127338 Created By: lucy Method: EPA 8015B
 Matrix: Water Created Date: 06/21/12 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary										
QCLabID: QC1127338LCS1, QC1127338LCSD							Analysis Date: 06/21/12			
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	503	481	ug/L	101	96	4	70-130	0-30

BLANK SUMMARY			
QCLabID: QC1127338MB1		Analysis Date: 06/21/12	
Analyte	Blank Results	Units	
All Analytes are ND			

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 306028

QCBatchID: QC1127343

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 06/25/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID QC1127343MS1, QC1127343MSD1

Source Sample #: 305988-001

Analysis Date: 06/25/12

Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD
1,1-Dichloroethene	ND	50	50	48	48	ug/L	96	96	0.0	59-172	22
Benzene	ND	50	50	50	50	ug/L	100	100	0.0	62-137	24
Chlorobenzene	ND	50	50	51	49	ug/L	102	98	4.0	60-133	24
Methyl-t-butyl Ether (MTBE)	ND	50	50	51	50	ug/L	102	100	2.0	62-137	21
Toluene	ND	50	50	52	51	ug/L	104	102	1.9	59-139	21
Trichloroethene	ND	50	50	48	47	ug/L	96	94	2.1	66-142	21

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1127343LCS1

Analysis Date: 06/25/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50		46		ug/L	92			59-172	-
Benzene	50		50		ug/L	100			62-137	-
Chlorobenzene	50		49		ug/L	98			60-133	-
Methyl-t-butyl Ether (MTBE)	50		48		ug/L	96			62-137	-
Toluene	50		52		ug/L	104			59-139	-
Trichloroethene	50		47		ug/L	94			66-142	-

QCLabID: QC1127343MB1

BLANK SUMMARY

Analysis Date: 06/25/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 306028

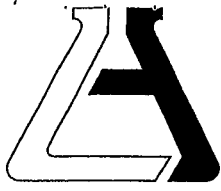
QCBatchID: QC1127399 Created By: lytagas Method: EPA 8015B
 Matrix: Water Created Date: 06/25/12 Instrument VOA-GC (group)

Lab Control Spike/ Lab Control Spike Duplicate Summary										
QCLabID: QC1127399LCS1, QC1127399LCSD							Analysis Date: 06/25/12			
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	535	479	ug/L	107	96	2	70-130	0-30

BLANK SUMMARY			
QCLabID: QC1127399MB1		Analysis Date: 06/25/12	
Analyte	Blank Results	Units	
All Analytes are ND			

ND = Not Detected or < MDL 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: TAC Project: _____
 Date Received: 06-21-12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: GSO

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 6.0°C
 (Acceptance range is 2 to 6 Deg. C.)

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

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

Section 4
 Explanations/Comments

Section 5
 Was Project Manager notified of discrepancies: Y / N N/A
 Completed By: M. Ebert Date: 06/21/12
 Log-in Reviewed by: _____ Date: _____

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) 921-3581		A.L. Job No. 306028 ✓		Page 1 of 1			
Project Manager: JEFF SURYAKUSUMA		Fax: (562) 921-7510		Analysis Requested				Test Instructions & Comments	
Project Name: SYSTEM WATER SAMPLING		Project #: 063							
Site Name and Address: 6125 TELEGRAPH AVE OAKLAND CA 94609				TP4G (8015M) RTDX (8260B) MTRFE (8260B)					
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.			
1	INLET	06.19.12	10:00	H ₂ O	4-VOA	NONE	X	X	X
2	INT.-1	06.19.12	10:15	H ₂ O	4-VOA	NONE	X	X	X
3	INT.-2	06.19.12	10:30	H ₂ O	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				Relinquished by EMC 1.		Relinquished by 2.		Relinquished by 3.		
Total Number of Containers	Properly Cooled Y / N / NA			Signature: <i>[Signature]</i>	Signature:			Signature:		
Custody Seals Y / N / NA	Samples Intact Y / N / NA			Printed Name: SERBAN P	Printed Name:			Printed Name:		
Received in Good Condition Y / N	Samples Accepted Y / N			Date: 06.19.2012 Time: 16:00	Date:	Time:	Date:		Time:	
Turn Around Time				Received By: G.S.O. 1.		Received By: 2.		Received By: 3.		
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	Signature: <i>[Signature]</i>			Signature:		
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name:			Printed Name:		
				Date:	Time:	Date: 06/21/12	Time: 09:05	Date:		Time:



Associated Laboratories

806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
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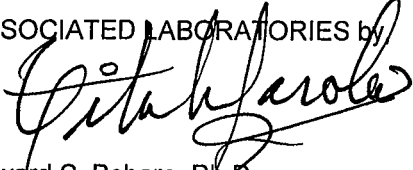
Client: Thrifty Oil Company
Address: 13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670
Attn: Jeff Suryakusuma
Project: Station #063 ✓
Comments: 6125 Telegraph Avenue, Oakland CA

Lab Request: 304537 ✓
Report Date: 05/30/2012
Date Received: 05/22/2012
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.

<u>Sample #</u>	<u>Client Sample ID</u>
304537-001	TOC#063 Inlet
304537-002	TOC#063 Int-1
304537-003	TOC#063 Int-2

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 304537-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Inlet
 Collect Date: 05/21/12 Site:
 Collect Time: 12:20 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1126482			
TPH Gasoline	6010	20	132	1000	ug/L	05/23/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1126481			
Benzene	13	5	0.9	5	ug/L	05/24/12	akk
Ethylbenzene	110	5	1.05	25	ug/L	05/24/12	akk
Methyl-t-butyl Ether (MTBE)	ND	5	0.95	5	ug/L	05/24/12	akk
Toluene	170	5	1.2	25	ug/L	05/24/12	akk
Xylenes (Total)	790	5	2.25	25	ug/L	05/24/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	105	70-145
4-Bromofluorobenzene (SUR)	90	70-145
Dibromodifluoromethane (SUR)	92	70-145
Toluene-d8 (SUR)	94	70-145

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



Sample #: 304537-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-1
 Collect Date: 05/21/12 Site:
 Collect Time: 12:30 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QC Batch ID: QC1126482			
TPH Gasoline	ND	1	6.6	50	ug/L	05/23/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	84	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QC Batch ID: QC1126481			
Benzene	ND	1	0.18	1	ug/L	05/24/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	05/24/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	05/24/12	akk
Toluene	ND	1	0.24	5	ug/L	05/24/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	05/24/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	117	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	96	70-145
Toluene-d8 (SUR)	94	70-145

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



Sample #: 304537-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-2
 Collect Date: 05/21/12 Site:
 Collect Time: 12:40 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1126482				
TPH Gasoline	ND	1	6.6	50	ug/L	05/23/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	88	60-140

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1126456				
Benzene	ND	1	0.18	1	ug/L	05/23/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	05/23/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	05/23/12	akk
Toluene	ND	1	0.24	5	ug/L	05/23/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	05/23/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	111	70-145
4-Bromofluorobenzene (SUR)	104	70-145
Dibromodifluoromethane (SUR)	93	70-145
Toluene-d8 (SUR)	93	70-145

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #304537

QC Batch ID: QC1126456	Analyst: ark	Method: EPA-821-B	
Matrix: Water	Analyzed: 05/24/2012	Instrument: VOA-MS (Group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1126456MB1					
1,1-Dichloroethene	ND	ug/L	5	5	
Benzene	ND	ug/L	0.18	1	
Chlorobenzene	ND	ug/L	5	5	
Ethylbenzene	ND	ug/L	0.21	5	
m and p-Xylene	ND	ug/L	0.45	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.19	1	
o-Xylene	ND	ug/L	0.29	5	
Toluene	ND	ug/L	0.24	5	
Trichloroethene	ND	ug/L	5	5	
Xylenes (Total)	ND	ug/L	0.45	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes	
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD		
QC1126456LCS1, QC1126456LCSD1												
1,1-Dichloroethene	50	50	52	50	ug/L	104	100	4	59-172	22		
Benzene	50	50	50	50	ug/L	100	100	0	62-137	24		
Chlorobenzene	50	50	44	45	ug/L	88	90	2	60-133	24		
Methyl-t-butyl Ether (MTBE)	50	50	56	56	ug/L	112	112	0	62-137	21		
Toluene	50	50	47	47	ug/L	94	94	0	59-139	21		
Trichloroethene	50	50	42	42	ug/L	84	84	0	66-142	21		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #304537

QC Batch ID: QC1126481	Analyst: akk	Method: EPA 8230B
Matrix: Water	Analyzed: 05/25/2012	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1126481MB1					
1,1-Dichloroethene	ND	ug/L	5	5	
Benzene	ND	ug/L	0.18	1	
Chlorobenzene	ND	ug/L	5	5	
Ethylbenzene	ND	ug/L	0.21	5	
m and p-Xylene	ND	ug/L	0.45	5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.19	1	
o-Xylene	ND	ug/L	0.29	5	
Toluene	ND	ug/L	0.24	5	
Trichloroethene	ND	ug/L	5	5	
Xylenes (Total)	ND	ug/L	0.45	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD	
QC1126481LCS1, QC1126481LCSD1											
1,1-Dichloroethene	50	50	53	53	ug/L	106	106	0	59-172	22	
Benzene	50	50	51	51	ug/L	102	102	0	62-137	24	
Chlorobenzene	50	50	44	44	ug/L	88	88	0	60-133	24	
Methyl-t-butyl Ether (MTBE)	50	50	61	64	ug/L	122	128	5	62-137	21	
Toluene	50	50	48	47	ug/L	96	94	2	59-139	21	
Trichloroethene	50	50	41	42	ug/L	82	84	2	66-142	21	

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #304537

GC Batch ID: QC1126482	Analyst: MAgas	Method: EPA 8015B
Matrix: Water	Analyzed: 05/23/2012	Instrument: VOA-GC (group)

Blank Summary

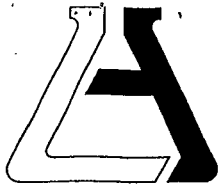
Analyte	Blank Result	Units	MDL	RDL	Notes
QC1126482MB1					
TPH Gasoline	ND	ug/L	6.6	50	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries			Limits		Notes	
	LCS	LCSD	LCS	LCSD		LCS	LCSD	RPD	%Rec	RPD		
QC1126482LCS1, QC1126482LCSD1												
TPH Gasoline	500	500	560	576	ug/L	112	115	14	70-130	30		

ND = Not Detected or < MDL 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: Thr. Fly Project: _____
 Date Received: 5-22-12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 5°C
 (Acceptance range is 2 to 6 Deg. C.)

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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 5-22-12
 Log-in Reviewed by: _____ Date: _____

Chain of Custody Record

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

Page 1 of 1

Company: **TRIFTY OIL CO.**
 Project Manager: **Jeffrey S. JAHAKUSMAN**
 Project Name: **SYSTEM WATER SAMPLING**
 Site Name: **6125 TELEGRAPH AVE**
 Address: **ORLANDO CA 94609**
 Phone: **(562) 921-3521**
 Fax: **562 (921-7510)**
 Project # **702 063**

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested	Test Instructions & Comments
1	INLET	05-21-2012	12:20	H ₂ O	4 - VOA	NONE	X	
2	INT-1	05-21-2012	12:30	H ₂ O	4 - VOA	NONE	X	
3	INT-2	05-21-2012	12:30	H ₂ O	4 - VOA	NONE	X	
4		05-21-2012	12:40	H ₂ O	4 - VOA	NONE	X	
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
 Received in Good Condition Y / N

Samples Intact Y / N / NA
 Samples Accepted Y / N

Turn Around Time:
 Normal
 Rush
 Same Day
 24 hrs.
 48 hrs.
 72 hrs.

Relinquished by: **E.M.C.** Date: **5-22-12** Time: **10:17**
 Signature: *[Signature]*
 Printed Name: **EMONY TOWN**

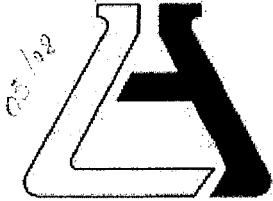
Relinquished by: **STEBERT P.** Date: **05.21.12** Time: **16:00**
 Signature: *[Signature]*
 Printed Name: **STEBERT P.**

Received By: **G.S.O.** Date: **5-22-12** Time: **10:17**
 Signature: *[Signature]*
 Printed Name: **EMONY TOWN**

Received By: **2** Date: _____ Time: _____
 Signature: _____
 Printed Name: _____

Received By: **3** Date: _____ Time: _____
 Signature: _____
 Printed Name: _____

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



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 Avenue, Oakland

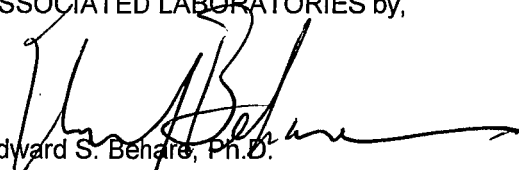
Lab Request: 302970 ✓
Report Date: 04/30/2012
Date Received: 04/19/2012
Client ID: 8871

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.

<u>Sample #</u>	<u>Client Sample ID</u>
302970-001	TOC#063 Inlet
302970-002	TOC#063 Int-1
302970-003	TOC#063 Int-2

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 302970-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Inlet
 Collect Date: 04/17/12 Site:
 Collect Time: 13:00 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1125447			
TPH Gasoline	38200	20	132	1000	ug/L	04/20/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	106	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1125512			
Benzene	45	1	0.18	1	ug/L	04/21/12	akk
Ethylbenzene	1800	20	4.2	100	ug/L	04/24/12	akk
Methyl-t-butyl Ether (MTBE)	8.4	1	0.19	1	ug/L	04/21/12	akk
Toluene	1900	20	4.8	100	ug/L	04/24/12	akk
Xylenes (Total)	11000	20	9	100	ug/L	04/24/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	135	70-145
4-Bromofluorobenzene (SUR)	121	70-145
Dibromodifluoromethane (SUR)	78	70-145
Toluene-d8 (SUR)	90	70-145

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



Sample #: 302970-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-1
 Collect Date: 04/17/12 Site:
 Collect Time: 13:10 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1125447			
TPH Gasoline	6540	5	33	250	ug/L	04/20/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	96	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1125512			
Benzene	68	10	1.8	10	ug/L	04/21/12	akk
Ethylbenzene	200	10	2.1	50	ug/L	04/21/12	akk
Methyl-t-butyl Ether (MTBE)	ND	10	1.9	10	ug/L	04/21/12	akk
Toluene	350	10	2.4	50	ug/L	04/21/12	akk
Xylenes (Total)	1300	10	4.5	50	ug/L	04/21/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	109	70-145
4-Bromofluorobenzene (SUR)	108	70-145
Dibromodifluoromethane (SUR)	93	70-145
Toluene-d8 (SUR)	95	70-145

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



Sample #: 302970-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-2
 Collect Date: 04/17/12 Site:
 Collect Time: 13:20 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1125447			
TPH Gasoline	1990	1	6.6	50	ug/L	04/20/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	102	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1125512			
Benzene	19	1	0.18	1	ug/L	04/26/12	akk
Ethylbenzene	45	5	1.05	25	ug/L	04/26/12	akk
Methyl-t-butyl Ether (MTBE)	2.5	1	0.19	1	ug/L	04/26/12	akk
Toluene	82	5	1.2	25	ug/L	04/26/12	akk
Xylenes (Total)	230	5	2.25	25	ug/L	04/26/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	121	70-145
4-Bromofluorobenzene (SUR)	102	70-145
Dibromodifluoromethane (SUR)	102	70-145
Toluene-d8 (SUR)	92	70-145

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 302970

QCBatchID: QC1125447 Created By: lytagas Method: EPA 8015B
 Matrix: Water Created Date: 04/19/12 Instrument VOA-GC (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1125447LCS1, QC1125447LCSD						Analysis Date: 04/19/12				
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	564	568	ug/L	113	114	1	70-130	0-30

BLANK SUMMARY

QCLabID: QC1125447MB1		Analysis Date: 04/19/12	
Analyte	Blank Results	Units	
All Analytes are ND			

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 302970

QCBatchID: QC1125512

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 04/23/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID		Source Sample #:					Analysis Date:				
QC1125512MS1, QC1125512MSD1		303016-002					04/23/12				
Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD
1,1-Dichloroethene	ND	50	50	53	43	ug/L	106	86	20.8	59-172	22
Benzene	ND	50	50	48	43	ug/L	96	86	11.0	62-137	24
Chlorobenzene	ND	50	50	45	42	ug/L	90	84	6.9	60-133	24
Methyl-t-butyl Ether (MTBE)	4.0	50	50	57	54	ug/L	106	100	5.4	62-137	21
Toluene	ND	50	50	50	42	ug/L	100	84	17.4	59-139	21
Trichloroethene	ND	50	50	44	38	ug/L	88	76	14.6	66-142	21

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID:		Analysis Date:									
QC1125512LCS1		04/23/12									
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria		
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD	
1,1-Dichloroethene	50		43		ug/L	86			59-172	-	
Benzene	50		46		ug/L	92			62-137	-	
Chlorobenzene	50		43		ug/L	86			60-133	-	
Methyl-t-butyl Ether (MTBE)	50		49		ug/L	98			62-137	-	
Toluene	50		46		ug/L	92			59-139	-	
Trichloroethene	50		42		ug/L	84			66-142	-	

QCLabID: QC1125512MB1

BLANK SUMMARY

Analysis Date: 04/23/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL 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 Project: _____
 Date Received: 4-19-12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 4-19-20
 Log-in Reviewed by: _____ Date: _____

Chain of Custody Record

ASSOCIATED LABORATORIES

806 North Batavia ■ Orange, CA 92868

Phone: (714) 771-6900 ■ Fax: (714) 538-1209



Company TRITY OIL CO.		Phone (562) 921-3581		A.L. Job No. 302970 ✓		Page 1 of 1			
Project Manager JEFF SUDYAKUSUMKA		Fax (562) 925-7510		Analysis Requested				Test Instructions & Comments	
Project Name SYSTEM WATER SAMPLING		Project# TOC 063		TP110-(3015M) RTF-X-(8260P) MTB-F-(8260A)					
Site Name and Address 6125 TELEGRAPH AVE OAKLAND CA. 94609									
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.			
1		04.17.2012	13:00	H ₂ O	4-VOA	NOHR	X	X	X
2		04.17.2012	03:10	H ₂ O	4-VOA	NOHR	X	X	X
3		04.17.2012	03:20	H ₂ O	4-VOA	NOHR	X	X	X
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: T.O.C 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	Property Cooled Y / N / NA	Custody Seals Y / N / NA	Received in Good Condition Y / N	Signature: <i>[Signature]</i>	Signature:	Signature:
	Samples Intact Y / N / NA		Samples Accepted Y / N	Printed Name: SERAFIN P.	Printed Name:	Printed Name:
				Date: 04.17.2012 Time: 16:00	Date:	Date:
				Received By: G.S.O. 1.	Received By: 2.	Received By: 3.
				Signature: <i>[Signature]</i>	Signature:	Signature:
				Printed Name: [Signature]	Printed Name:	Printed Name:
				Date: 4-19-12 Time: 9:45	Date:	Date:

Normal

Rush

Same Day

24 hrs.

48 hrs.

72 hrs.



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: Station #063 ✓
Comments: 6125 Telegraph Ave., Oakland

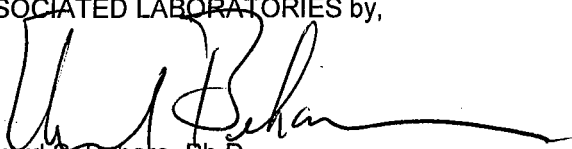
Lab Request: 301395 ✓
Report Date: 03/27/2012
Date Received: 03/21/2012
Client ID: 8871

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.

<u>Sample #</u>	<u>Client Sample ID</u>
301395-001	TOC#063 Inlet
301395-002	TOC#063 Int-1
301395-003	TOC#063 Int-2

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 301395-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Inlet
 Collect Date: 03/19/12 Site:
 Collect Time: 13:00 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1124560			
TPH Gasoline	146	1	6.6	50	ug/L	03/22/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	82	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1124706			
Benzene	ND	1	0.18	1	ug/L	03/27/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	03/27/12	akk
Methyl-t-butyl Ether (MTBE)	21	1	0.19	1	ug/L	03/27/12	akk
Toluene	ND	1	0.24	5	ug/L	03/27/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	03/27/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	114	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	88	70-145
Toluene-d8 (SUR)	101	70-145

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



Sample #: 301395-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-1
 Collect Date: 03/19/12 Site:
 Collect Time: 13:10 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1124560			
TPH Gasoline	11300	10	66	500	ug/L	03/22/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	84	60-140

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1124665			
Benzene	110	1	0.18	1	ug/L	03/23/12	akk
Ethylbenzene	280	10	2.1	50	ug/L	03/27/12	akk
Methyl-t-butyl Ether (MTBE)	12	1	0.19	1	ug/L	03/23/12	akk
Toluene	820	10	2.4	50	ug/L	03/27/12	akk
Xylenes (Total)	1600	10	4.5	50	ug/L	03/27/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	85	70-145
4-Bromofluorobenzene (SUR)	109	70-145
Dibromodifluoromethane (SUR)	94	70-145
Toluene-d8 (SUR)	102	70-145

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



Sample #: 301395-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#063 Int-2
 Collect Date: 03/19/12 Site:
 Collect Time: 13:20 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1124560			
TPH Gasoline	ND	1	6.6	50	ug/L	03/22/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	76	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1124706			
Benzene	ND	1	0.18	1	ug/L	03/27/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	03/27/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	03/27/12	akk
Toluene	ND	1	0.24	5	ug/L	03/27/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	03/27/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	88	70-145
Toluene-d8 (SUR)	101	70-145

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301395

QCBatchID: QC1124560 Created By: lytagas Method: EPA 8015B
 Matrix: Water Created Date: 03/21/12 Instrument VOA-GC (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1124560LCS1, QC1124560LCSD						Analysis Date: 03/21/12				
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	624	625	ug/L	125	125	0	70-130	0-30

QCLabID: QC1124560MB1			BLANK SUMMARY		
Analysis Date: 03/21/12					
Analyte	Blank Results	Units			
All Analytes are ND					

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301395

QCBatchID: QC1124665

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 03/26/12

Instrument VOA-MS (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1124665LCS1, QC1124665LCSD

Analysis Date: 03/26/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	48	48	ug/L	96	96	0	59-172	0-22
Benzene	50	50	49	46	ug/L	98	92	6	62-137	0-24
Chlorobenzene	50	50	47	46	ug/L	94	92	2	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	49	45	ug/L	98	90	9	62-137	0-21
Toluene	50	50	50	45	ug/L	100	90	11	59-139	0-21
Trichloroethene	50	50	44	43	ug/L	88	86	2	66-142	0-21

QCLabID: QC1124665MB1

BLANK SUMMARY

Analysis Date: 03/26/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301395

QCBatchID: QC1124706

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 03/27/12

Instrument VOA-MS (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1124706LCS1, QC1124706LCSD

Analysis Date: 03/27/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	52	47	ug/L	104	94	10	59-172	0-22
Benzene	50	50	49	46	ug/L	98	92	6	62-137	0-24
Chlorobenzene	50	50	52	48	ug/L	104	96	8	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	51	50	ug/L	102	100	2	62-137	0-21
Toluene	50	50	53	50	ug/L	106	100	6	59-139	0-21
Trichloroethene	50	50	45	44	ug/L	90	88	2	66-142	0-21

QCLabID: QC1124706MB1

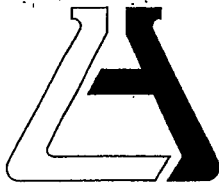
BLANK SUMMARY

Analysis Date: 03/27/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected or < MDL 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: TUC Project: _____
 Date Received: 3-21-12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 3-27-12

Log-in Reviewed by: _____ Date: _____

Chain of Custody Record

ASSOCIATED LABORATORIES

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



301392 ✓
 Page 1 of 1

Company: THRIFTY OIL CO.		Phone: (562) 921-3581		A.L. Job No.		Page 1 of 1					
Project Manager: JEFF JUDYAKUSUMA		Fax: 562 (921-7510)		Analysis Requested				Test Instructions & Comments			
Project Name: SYSTEM WATER SAMPLING		Project #: FOC 063		TPNG/8015W BTEX (8260B) METALS (8260B)							
Site Name and Address: 6125 TELEGRAPH AVE OAKLAND CA. 94609											
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.					
1	INLET	03-19-12	13:00	H ₂ O	4-VOA	NONE	X	X	X		
2	INT-1	03-19-12	13:00	H ₂ O	4-VOA	NONE	X	X	X		
3	INT-2	03-09-12	13:20	H ₂ O	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				Relinquished by Sampler: EMC 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	Properly Cooled Y/N/NA	Samples Intact Y/N/NA	Samples Accepted Y/N	Signature: <i>[Signature]</i>	Signature:	Signature:
Custody Seals Y/N/NA				Printed Name: SERRA P.	Printed Name:	Printed Name:
Received in Good Condition Y/N				Date: 03.19.12 Time: 16:00	Date: Time:	Date: Time:
Turn Around Time				Received By: G. Lopez 1.	Received By: 2.	Received By: 3.
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature: <i>[Signature]</i>	Signature:	Signature:
<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.			Printed Name: [Signature]	Printed Name:	Printed Name:
				Date: 3-21-12 Time: 16:44	Date: Time:	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: Station #063 ✓
Comments: 6125 Telegraph Ave., Oakland

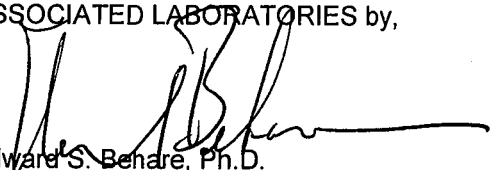
Lab Request: 300130 ✓
Report Date: 03/08/2012
Date Received: 02/28/2012
Client ID: 8871

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.

<u>Sample #</u>	<u>Client Sample ID</u>
300130-001	TOC# 063 Inlet
300130-002	TOC# 063 Int-1
300130-003	TOC# 063 Int-2

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. Benare, Ph.D.
Lab Director

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 300130-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Inlet
 Collect Date: 02/24/12 Site:
 Collect Time: 10:00 Collector: client

Compound **Result** **DF** **MDL** **RDL** **Units** **Analysis Date** **Analyst**
 Method: EPA 8015B Prep Method: EPA 5030B QCBatchID: QC1123825

TPH Gasoline 5150 10 66 500 ug/L 02/29/12 lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

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

Method: EPA 8260B Prep Method: EPA 5030B QCBatchID: QC1123819

Benzene	9.2	5	0.9	5	ug/L	02/29/12	akk
Ethylbenzene	5.4 J	5	1.05	25	ug/L	02/29/12	akk
Methyl-t-butyl Ether (MTBE)	21	5	0.95	5	ug/L	02/29/12	akk
Toluene	76	5	1.2	25	ug/L	02/29/12	akk
Xylenes (Total)	1100	5	2.25	25	ug/L	02/29/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	106	70-145
4-Bromofluorobenzene (SUR)	103	70-145
Dibromodifluoromethane (SUR)	98	70-145
Toluene-d8 (SUR)	97	70-145

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



Sample #: 300130-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Int-1
 Collect Date: 02/24/12 Site:
 Collect Time: 10:10 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1123825			
TPH Gasoline	1740	1	6.6	50	ug/L	02/29/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	94	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1123779			
Benzene	1.9	1	0.18	1	ug/L	02/28/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	02/28/12	akk
Methyl-t-butyl Ether (MTBE)	9.4	1	0.19	1	ug/L	02/28/12	akk
Toluene	16	1	0.24	5	ug/L	02/28/12	akk
Xylenes (Total)	350	1	0.45	5	ug/L	02/28/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B		
Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	112	70-145
4-Bromofluorobenzene (SUR)	108	70-145
Dibromodifluoromethane (SUR)	99	70-145
Toluene-d8 (SUR)	98	70-145

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



Sample #: 300130-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC# 063 Int-2
 Collect Date: 02/24/12 Site:
 Collect Time: 10:20 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1123825			
TPH Gasoline	362	1	6.6	50	ug/L	02/29/12	lyt

Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	96	60-140

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1123819			
Benzene	ND	1	0.18	1	ug/L	02/29/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	02/29/12	akk
Methyl-t-butyl Ether (MTBE)	3.9	1	0.19	1	ug/L	02/29/12	akk
Toluene	6.3	1	0.24	5	ug/L	02/29/12	akk
Xylenes (Total)	130	1	0.45	5	ug/L	02/29/12	akk

Surrogates for Method EPA 8260B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	118	70-145
4-Bromofluorobenzene (SUR)	103	70-145
Dibromodifluoromethane (SUR)	103	70-145
Toluene-d8 (SUR)	95	70-145

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 300130

QCBatchID: QC1123779

Created By: ryanp

Method: EPA 8260B

Matrix: Water

Created Date: 02/29/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID		Source Sample #:					Analysis Date:					
QC1123779MS1, QC1123779MSD1		300116-001					02/29/12					
Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria		
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD	
1,1-Dichloroethene	ND	50	50	51.129	51.785	ug/L	102	104	1.3	59-172	0-22	
Benzene	ND	50	50	55	56	ug/L	110	112	1.8	62-137	0-24	
Chlorobenzene	ND	50	50	49.595	45.692	ug/L	99	91	8.2	60-133	0-24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	49	50	ug/L	98	100	2.0	62-137	0-21	
Toluene	ND	50	50	49	46	ug/L	98	92	6.3	59-139	0-21	
Trichloroethene	21	50	50	74.507	68.182	ug/L	107	94	8.9	66-142	0-21	

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID:		Analysis Date:									
QC1123779LCS1		02/29/12									
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria		
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD	
1,1-Dichloroethene	50		55.2		ug/L	110			59-172	-	
Benzene	50		57		ug/L	114			62-137	-	
Chlorobenzene	50		50		ug/L	100			60-133	-	
Methyl-t-butyl Ether (MTBE)	50		52		ug/L	104			62-137	-	
Toluene	50		49		ug/L	98			59-139	-	
Trichloroethene	50		52.9		ug/L	106			66-142	-	

BLANK SUMMARY

QCLabID: QC1123779MB1

Analysis Date: 02/29/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 300130

QCBatchID: QC1123819

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 03/01/12

Instrument VOA-MS (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1123819LCS1

Analysis Date: 03/01/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50		57.3		ug/L	115			59-172	-
Benzene	50		59		ug/L	118			62-137	-
Chlorobenzene	50		51.7		ug/L	103			60-133	-
Methyl-t-butyl Ether (MTBE)	50		50		ug/L	100			62-137	-
Toluene	50		52		ug/L	104			59-139	-
Trichloroethene	50		55.5		ug/L	111			66-142	-

QCLabID: QC1123819MB1

BLANK SUMMARY

Analysis Date: 03/01/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 300130

QCBatchID: QC1123825

Created By: lytagas

Method: EPA 8015B

Matrix: Water

Created Date: 02/29/12

Instrument VOA-GC (group)

**Lab Control Spike/ Lab Control Spike
Duplicate Summary**

QCLabID: QC1123825LCS1, QC1123825LCSD

Analysis Date: 02/29/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	485	490	ug/L	97	98	1	70-130	0-30

QCLabID: QC1123825MB1

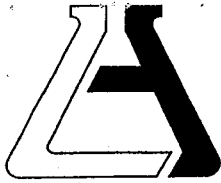
BLANK SUMMARY

Analysis Date: 02/29/12

Analyte	Blank Results	Units
All Analytes are ND		

ND = Not Detected 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 Project: Station 063
 Date Received: 2/28/12 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 6°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 Lee Date: 2/28/12

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. 300130 V		Page 1 of 1								
Project Manager: JEFF SURYAKUSUMA -		Fax: (562) 921-7510		Analysis Requested				Test Instructions & Comments						
Project Name: SYSTEM WATER SAMPLING		Project #: 063 V												
Site Name and Address: 6125 TELEGRAPH AVE OAKLAND CA 94609				TPHC (8015M) RTFX (8260B) MTRF (8260B)										
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.								
1	INT-1	02.24.12	10:00	H ₂ O	4-VOA	NONE	X	X	X					
2	INT-1	02.24.12	10:10	H ₂ O	4-VOA	NONE	X	X	X					
3	INT-2	02.24.12	10:20	H ₂ O	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				Relinquished by Sampler: EMC 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	Property Cooled Y/N/NA			Signature: <i>[Signature]</i>	Signature:			Signature:	
Custody Seals Y/N/NA	Samples Intact Y/N/NA			Printed Name: SURYAKUSUMA P	Printed Name:			Printed Name:	
Received in Good Condition Y/N	Samples Accepted Y/N			Date: _____ Time: _____	Date: _____ Time: _____			Date: _____ Time: _____	
Turn Around Time				Received By: G.S.O. 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: _____	Signature: <i>[Signature]</i>			Signature:	
				Printed Name: _____	Printed Name: Daniel Lee			Printed Name:	
				Date: _____ Time: _____	Date: 2/28/12 Time: 9:49			Date: _____ Time: _____	