

THRIFTY OIL CO.

September 24, 2012

O.125972

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

Local #RO0000004
RWQCB #01-1478
EDF # 7969908952

RECEIVED

10:54 am, Oct 04, 2012

Alameda County
Environmental Health

RE: **Former Thrifty Oil Co. Station #049**
3400 San Pablo Avenue
Oakland, CA 94612
Third Quarter 2012, Status Report and Request for Closure

Dear Mr. Khatri:

Presented herein is the Third Quarter 2012, Status Report and Request for Closure prepared for former Thrifty Oil Co. (Thrifty) Station #049 located at 3400 San Pablo Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the Third Quarter 2012 groundwater-monitoring program. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly groundwater monitoring and sampling at this site.

The Third Quarter 2012 groundwater monitoring event completes the third of four quarters of groundwater monitoring required by the ACHCS in a letter dated February 23, 2012 and addressed to Thrifty. Third Quarter 2012 sampling results indicate maximum benzene, MTBE and TBA concentrations at 8.7 micrograms per liter ($\mu\text{g/L}$), 42 $\mu\text{g/L}$ and of 63 $\mu\text{g/L}$, respectively. Ethanol was detected in well MW-5 (located at the northeastern boundary of the Thrifty property and upgradient of the site underground storage tanks, dispenser lines and dispenser islands) at 6,200 $\mu\text{g/L}$, and as stated in the Second Quarter 2012 Status Report, this contamination is related to another source other than Thrifty. Thrifty terminated their operation of the station and USTs and associated piping in May 1997 and this first generation of USTs and associated piping were removed from the site in March 1998 at which time ethanol was not used as a gasoline additive.

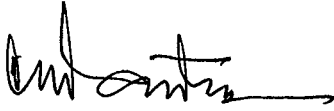
Third Quarter 2012 results indicate a significant decrease from the anomalous high concentrations observed in the Second Quarter 2012, and more closely compare with historical concentrations which have been stable to decreasing over the last several quarters. Thrifty believes that the results of previously reported site assessment activities as well as the results of historical groundwater data indicate the hydrocarbon plume has been defined, is stable, is essentially restricted to the site property, and will continue to diminish through natural attenuation. The site therefore poses very little to no threat to human health or the environment, and Thrifty respectfully requests that low risk regulatory case closure be granted 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 at (562) 921-3581 Ext. 260, or myself at Ext. 390.

Respectfully submitted,



Chris Panaitescu
General Manager
Environmental Affairs

cc: File

Summary of Monitoring and Sampling Activities
Thrifty Oil Co. Station #049
Third Quarter 2012
Reporting Period: 07/01/2012 to 09/31/2012

Site Information:

Site address:	TOC SS #049 (ARCO #9535) 3400 San Pablo Avenue Oakland, CA
Global ID No.:	T0600101365
EDF Confirmation No.:	7969908952
Lead Agency No.:	Local #RO0000004
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Paresh Khatri / 510 777-2478
Project Manager:	Simon Tregurtha / 562-921-3581 ext. 260

Field Activity:

Groundwater wells onsite:	8
Groundwater wells offsite:	0
Date(s) monitored:	September 5, 2012
Date(s) sampled:	September 5, 2012
Groundwater wells gauged:	8
Groundwater wells sampled:	8
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Existing groundwater treatment system on-site
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

Site Hydrogeology:

Depth to groundwater (feet bgs):	4.32 to 5.74
Groundwater elevation (feet above mean sea level):	25.41 to 27.73
Groundwater gradient and flow direction:	Variable; mainly westerly at approx. 0.03 ft/ft
Consistent with previous quarter:	Varies slightly from previous semester

Groundwater Conditions:

TPHg concentration (ug/L):	ND<6.6 to 1,280 (MW-1)
Benzene concentration (ug/L):	ND<0.18 to 8.7 (MW-3)
Toluene concentration (ug/L):	ND<0.24 to 2.3 J (MW-3)
Ethyl benzene concentration (ug/L):	ND<0.21 to ND<2.1
Total Xylenes concentration (ug/L):	ND<0.45 to 3.7 J (MW-3)
MTBE concentration (ug/L):	ND<0.19 to 42 (MW-3)
DIPE concentration (ug/L):	ND<0.20 to ND<2.0

ETBE concentration (ug/L):	ND<0.23 to ND<2.3
TAME concentration (ug/L):	ND<0.19 to 4.8 (MW-2R)
TBA concentration (ug/L):	ND<5.2 to 63 (MW-3)
Ethanol concentration (mg/L)	ND<0.100 to 6.200 (MW-5)

Remediation Activity (1) :

Activity:	Soil excavation during UST removal
When Occurred:	March 1998
Hydrocarbon impacted soil removed:	1,093 tons (3,697 pounds of hydrocarbons, based 1,691 mg/kg average soil concentration)

Remediation Activity (2):

System type:	Mobile HVDPE
Period Conducted	March 22 through 27, 2010 and August 4 to September 4, 2010.
Operation this Semester (hrs):	0
Cumulative Operation (hrs):	840
GW removed this Semester (gals):	0
Cumulative GW removed (gals):	25,349 (included in the volume reported for the GWPT system – see below)
Vapor Phase Hydrocarbons removed this Semester (lbs):	0
Cumulative Vapor Phase Hydrocarbons removed (lbs):	2,124.37

Remediation Activity (3):

System type:	GWPT
System start-up:	4/8/91 (Upgraded System Start-Up 6/21/04)
Operation this Semester (hrs.):	NA
Cumulative Operation (hrs.):	NA
GW discharge this Semester (gal.):	0
Total GW discharge (gal.):	2,684,436 (System permanently shutdown on 4/28/11)

Total Remediation Achievements through September 5, 2012:

Total groundwater removed (gals):	2,684,436
Total pounds of hydrocarbon removed (lbs):	2,124.37 + 3,697 = 5,821.37

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis in accordance with the requirements of the ACHCS letter dated July 22, 2012. Groundwater monitoring well locations for former Thrifty Station #049 at 3400 San Pablo Avenue and the former Shell Station at 3420 San Pablo Avenue are presented on **Figure 1**. A groundwater elevation contour map based on the Third Quarter 2012 monitoring

data is presented in **Figure 2**. Groundwater elevation data indicates a generally westerly flow direction at 0.03 feet/foot.

Quarterly Groundwater Sampling

As part of the groundwater-monitoring program, Earth Management Company (EMC) obtained groundwater samples from monitoring wells MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-6, MW-7, and RW-1R on September 5, 2012. Groundwater samples were delivered by EMC in a chilled state following strict Chain-of-Custody procedures to a state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B. Volatile organic compounds of benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert butyl ether (MTBE), and other oxygenates (including ethanol) were analyzed by EPA Method 8260B. Third Quarter 2012 groundwater sampling and monitoring results are included in the **Summary Table**. A summary of historical analytical sampling results for TPHg, BTEX, MTBE and ethanol is provided in **Table 1** and additional oxygenates in **Table 2**. Copies of the EMC Field Data Groundwater Sampling Forms are provided in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, MTBE, tertiary butyl alcohol (TBA) and ethanol isoconcentration maps were prepared using Thrifty's data from the September 5, 2012 sampling event, and results are presented in **Figures 3, 4, 5, 6 and 7**, respectively. Laboratory results indicate that the maximum concentrations of TPHg was detected in well MW-1 at 1,280 micrograms per liter (ug/L) and the maximum benzene concentration of was detected in well MW-3 at 8.7 µg/L. The maximum MTBE and TBA concentrations were detected in well MW-3 at 42 µg/L and 63 µg/L, respectively. The maximum TAME concentration was detected in well MW-2R at a concentration of 4.8 µg/L. ETBE was not detected in any wells. The Third Quarter 2012 results indicate a significant decrease from the anomalously high concentrations observed in the Second Quarter 2012 and more closely compare with historical concentrations which have been stable to decreasing over the last several quarters. The current sampling results indicate that the plume is stable and in general concentrations are declining through natural attenuation (the groundwater remediation system was permanently shut down on April 28, 2011).

As mentioned in the Second Quarter 2012 Status Report, hydrocarbon constituents detected in upgradient wells MW-5 and MW-6 were related to a new release or migration from an offsite source, in large part due to the elevated levels of ethanol in these wells. Thrifty terminated operation at the station in May 1997, at which time ethanol was not used as a gasoline additive. Third Quarter 2012 laboratory analytical results show a significant decrease in hydrocarbons concentrations detected in wells MW-5 and MW-6 when compared to Second Quarter 2012.

Historic groundwater elevations and concentrations over time for each of the eight site wells is presented in graphs 1 through 8 and included in **Appendix C**.

Remediation Status

Site remedial activities were initiated in April 1991. Originally, the remediation equipment consisted of a Groundwater Treatment System using activated carbon, with groundwater extraction from recovery well RW-1. System operational data is included in **Appendix D**. On April 4, 2003, the system was shut off for upgrading activities. As of April 4, 2003, the system treated approximately 1,445,088 gallons of

groundwater since start up (April 1991).

In 2004 Thrifty selected Advanced GeoEnvironmental (AGE) to conduct remedial system upgrade activities including installation of a new treatment compound, installation of new piping, connection of piping to the replacement well network, and the operation and maintenance of the upgraded groundwater pump and treat system. In January 2004, AGE abandoned wells MW-2, MW-4, and RW-1 and replaced them with wells MW-2R, MW-4R, and RW-1R.

The upgraded remediation system was restarted by AGE for continuous operation on June 21, 2004. The primary components of the upgraded system within the treatment compound consist of an air compressor, 500 gallon Poly settling tank, control panel, and three 200-pound granular activated carbon canisters. The upgraded system is extracting groundwater from extraction wells MW-2R, MW-4R, and RW-1R that are each equipped with downhole submersible pumps. On November 2, 2004, AGE reported that the pump had been stolen from well MW-4R. Because well MW-4R was producing more water than well MW-2R, the pump from well MW-2R was removed and installed in well MW-4R. On February 25, 2005, a new pump was installed in well MW-4R and the existing pump was replaced in well MW-2R.

On January 26, 2011, Thrifty emailed Paresh Khatri of the ACHCS requesting case closure based upon results of the December 27, 2010 report. In a letter dated March 31, 2011, the ACHCS stated that the site was ready for consideration for closure and they would notify Thrifty within 180-days of the results of their evaluation. In an email dated April 4, 2011, the ACHCS granted Thrifty permission to cease all groundwater monitoring and reporting activities while the case was being considered for closure.

On April 28, 2011, the groundwater remediation system was permanently shutdown with a cumulative total of 2,648, 436 gallons being extracted and treated since it was started in April 1991.

Interim Remedial Action

During underground storage tanks (UST) removal activities conducted in March 1998, approximately 1,093 tons of impacted soil were excavated and removed from the site for disposal.

On April 22, 2008 Thrifty submitted the *Workplan for Five Bi-Weekly 24-Hour Mobile Dual Phase Extraction Events* (Workplan). The Workplan proposed conducting five bi-weekly 24 hour mobile DPE events as an interim remedial action in order to supplement current groundwater pump-and-treat operations and accelerate the remediation of the groundwater and soil contamination at the site and expedite case closure. Historical groundwater analytical data indicates a decreasing trend in dissolved-phase hydrocarbon concentrations at the site with the plume currently being limited to the area of wells MW-2R, MW-4R, and RW-1R. Thrifty proposed using onsite wells MW-2R, MW-4R, and RW-1R as simultaneous extraction points, and wells MW-1, MW-3, and MW-7 as observation wells.

In a letter, dated July 29, 2008 the ACHCS stated that they did not agree with the scope of work proposed in Thrifty's Workplan and directed Thrifty to submit a Feasibility Study and Corrective Action Plan (FS/CAP).

On September 25, 2008, Thrifty submitted a FS/CAP prepared by GeoHydrologic Consultants, Inc. and dated September 22, 2008. The FS/CAP proposed a 5-Day 24-hour MPE event.

A High Vacuum Dual Phase Extraction (HVDPE) Report dated September 13, 2010 and prepared by

CalClean Inc. (CalClean) summarized the results of the continuous 30-Day (24-hour/Day) mobile HVDPE event (HVDPE Event) conducted from August 4 to September 4, 2010). The HVDPE event was conducted in accordance with the *Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* dated April 21, 2010 which was approved by default under the 60-Day rule. During the HVDPE Event, approximately 12,869 gallons of groundwater and 1,613.97 pounds of hydrocarbons (as vapor) were removed. The average hydrocarbon removal rate over the 30-days was approximately 2.24 pounds per hour. However, hydrocarbon removal rates during the last 10 days of extraction declined to approximately 0.54 pounds per hour and ending influent vapor concentrations were low (as noted above) indicating that asymptotic conditions have likely been reached. The very low vapor concentrations at the conclusion of the event indicate that asymptotic conditions have been reached and that very little hydrocarbon mass remains beneath the site.

Recent Site Investigation

In a transmittal letter dated March 11, 2004, Thrifty submitted preliminary soil and groundwater data from the four offsite soil borings and onsite well replacement activities performed by AGE. On March 18, 2004, Thrifty, AGE, and the Alameda County Health Care Services (ACHCS) met at the site to discuss the location of offsite well MW-8 and the soil and groundwater data provided by Thrifty. In a letter dated March 19, 2004, the ACHCS requested that Thrifty prepare a workplan to address the offsite contamination detected during the January 2004 site assessment conducted by AGE. After further discussing the scope of work with the ACHCS in an e-mail dated April 27, 2004, Thrifty submitted a workplan to install one onsite and two offsite wells downgradient of the site. The ACHCS responded in an e-mail dated May 4, 2004, requesting additional borings to delineate the plume to the west and southwest of the site. Thrifty submitted a revised Workplan for Additional Offsite Assessment dated May 7, 2004 that included two additional borings to the southwest of the site.

In a letter dated May 17, 2004, the ACHCS approved the May 7, 2004, workplan with the request that additional borings be considered if soil and groundwater samples indicate significant hydrocarbon contamination. The ACHCS also suggested moving the location of onsite well MW-10 slightly to the west to be more downgradient of the Shell Station. Thrifty previously selected GeoHydrologic Consultants, Inc. (GHC) to conduct site assessment activities. Thrifty has not been able to obtain an encroachment permit or access agreements from the City of Oakland Public Works Department (COPWD).

On May 18, 2007, ACHCS sent a letter to Thrifty with technical comments regarding: the dissolved hydrocarbon plume characterization; proposed soil boring installation and soil sampling; well installation and development; preferential pathway study; soil and groundwater chemical analysis; and site conceptual model development. ACHCS has requested the preparation of a Revised Workplan for Soil and Groundwater Investigation with Revised Site Conceptual Model and Updated Preferential Pathway Study and a Soil and Groundwater Investigation Report.

On July 18, 2007, Thrifty submitted a *Revised Workplan for Additional Off-Site Assessment* (Workplan). The Workplan proposed three offsite soil borings, three offsite groundwater wells and one onsite groundwater well. The Workplan also proposed completing a revised preferential pathway study and revised site conceptual model. On August 7, 2007 the Alameda County Health Care Services Agency (ACHCS)

provided approval for the Workplan.

In a letter dated August 7, 2007, ACHCS requested that Thrifty Oil Co. (Thrifty) provide an explanation for the inconsistent groundwater monitoring data observed in the analytical results of groundwater samples collected during the first and second quarter of 2007. On August 21, 2007 Thrifty submitted an *Explanation of Fluctuating Dissolved-Phase Hydrocarbon Concentrations* in response to the August 7, 2007 ACHCS letter.

The “*Revised Workplan, Additional Off-Site Assessment, Thrifty Oil Co. Station No. 049, ARCO Products Company Station # 9535, 3400 San Pablo Avenue, Oakland, California*” (Revised Workplan) dated July 18, 2007 prepared by EQC was submitted to the ACHCS to address the ACHCS request. On August 7, 2007 the ACHCS conditionally approved the Revised Workplan.

On August 8, 2007 Thrifty contacted the City of Oakland and requested an encroachment permit application package for the proposed offsite groundwater well locations on San Pablo Avenue, Oakland.

Thrifty’s legal representatives have had numerous communications City of Oakland Attorneys office regarding encroachment permit requirements but to date no agreement has been reached.

On September 13, 2007 Equipoise (EQC) on behalf of Thrifty submitted a *Request for Extension* letter to the ACHCS. EQC had submitted requests to both the DWR and ACPW for production well information needed for the Revised Preferential Pathway Study. As of September 13, 2007 EQC had not received a response from either agency, and therefore requested that the ACHCS provide an extension of the due date of the requested report.

On September 27, 2007, Thrifty submitted an “Encroachment Permit Delays and Request for Revised Well and Soil Borings Locations” letter (Encroachment Delays Letter) to the ACHCS. The letter indicated that Thrifty was still negotiating with the City of Oakland regarding the encroachment permits for the wells proposed in San Pablo Avenue, Oakland, but requested that the ACHCS consider revised well locations (which were proposed on private property).

On November 6, 2007, ACHCS sent a letter to Thrifty responding to Thrifty’s September 27, 2007 letter and indicated that moving the monitoring wells MW-8, MW-9, and MW-11 to adjacent private properties was acceptable provided the new locations of the monitoring wells are as close as practicable to the sidewalk at each location.

On November 13, 2007, EQC submitted the Revised Preferential Pathway Study (PPS), which discussed the results of the nearby well survey.

Thrifty and EQC identified and contacted the property owners for the three proposed offsite well locations (MW-8, MW-9 and MW-11). Site access agreements were sent via certified mail to each property owner on December 7, 2007.

In concurrently sent letters dated January 31, 2008, Mr. Steven Plunkett of the ACHED informed the adjacent property owners that they were required to execute the access agreements sent by Thrifty otherwise they could potentially be responsible for the cost of environmental assessments on their properties.

On February 12, 2008, Thrifty received an executed access agreement from the Vern Lenberg LLC (executed by Mr. Vernon Coleman) for the property located at 3431 San Pablo Avenue, Oakland, California.

On March 5, 2008, Thrifty spoke to Mr. Kelvin Tse (the owner of the property located at 3315 San Pablo Avenue, Oakland, California). During the telephone conversation Mr. Tse requested that Thrifty Oil Co. (Thrifty) supply: (1) an assurance that the proposed groundwater well be installed as close as possible to the northern corner of your property; (2) an explanation of why Thrifty has proposed to install a groundwater well on your property and the details of the sampling and chemical analysis Thrifty will conduct during the installation and during quarterly groundwater sampling events, and (3) a guarantee that Thrifty will mitigate contamination encountered during our investigation at the above mentioned property. Mr. Tse indicated that his brother was also a legal owner of the property. On March 5, 2008 Thrifty sent an email summarizing the telephone conversation to Mr. Tse with an attached copy of the Third Quarter 2007, Status Report for Thrifty Station No. 049. On March 12, 2008 Thrifty sent a letter to Mr. Tse in response to his request on March 5, 2008 for information and guarantees. Included in Thrifty's letter were documents that Thrifty acquired from online databases that indicated Mr. Kelvin Tse and Ms. Linda Tse are the only legal owners of the above mentioned property.

The access agreement Thrifty sent to the Moriah Christian Fellowship Baptist Church, Inc located at 3354 San Pablo Avenue Oakland, CA 94608, was returned to Thrifty on March 14, 2008. It appears that the post office attempted delivery the package on December 13, 2007 and March 8, 2008, and finally returned it to Thrifty with a "final notice" and "unable to forward" stamps on the front of the package. Thrifty called the United States Postal Service (USPS) at 800 275-8777 and they confirmed that the stamps on the front of the envelope indicated that the package not been received by the addressee and the package had probably been classified as abandoned, and therefore return to Thrifty. A short examination of the returned envelope showed that the seals applied on the envelope as part of the certified mail features were broken which suggests that somewhere, someone searched the contents of the envelope. Thrifty conducted a search on the United States Postal Service website to track the package (tracking number 7007 0710 0005 2435 5749) and discovered that the only recorded delivery of the package was its return to Thrifty on March 14, 2008 at 8:49 AM.

On April 21, 2008, a Thrifty representative contacted Mr. Kelvin Tse to request that he return an executed copy of the access agreement that had been mailed to him on March 12, 2008. During the conversation with Mr. Kelvin Tse once again insisted that his brother, Mr. Jack Chi Tse, was an owner of the property located at 3315 San Pablo Avenue, Oakland, California. On April 21, 2008, Thrifty completed an additional property title database search, results of the search identified Mr. Jack Chi Tse as an owner of the property located at 3315 San Pablo Avenue, Oakland, California. On April 22, 2008, Thrifty mailed a revised access agreement (which include Mr. Jack Chi Tse) to Mr. Kelvin Tse and Mr. Jack Chi Tse. In early May 2008, executed access agreements were received by Thrifty from Mr. Jack Tse and Mr. and Mrs. Kelvin Tse and on May 19, 2008 Thrifty executed the agreements and mailed copies back to the respective parties.

On June 25, 2008, Steven Plunkett of the ACHCS contacted Simon Tregurtha (a Thrifty representative) via the telephone and stated he had recently been in contact with a representative of the Moriah Christian Fellowship Baptist Church (the Church) regarding the placement of a groundwater monitoring well on their property. Mr. Plunkett said that the Church representative had indicated they would be reviewing the access agreement and would return a signed copy to Thrifty in the near future. Mr. Plunkett also stated that he was

going to enlist the help of the Oakland Fire Department to convince the Church to sign the access agreement. To date, Thrifty has not received the executed access agreement from the Church.

In a letter dated October 14, 2010, the Alameda County Health Care Services (ACHCS) conditionally approved the *Verification Sampling and Downgradient Investigation Workplan* (Workplan) prepared by Thrifty Oil Co. (Thrifty) and dated September 22, 2010, for the above-referenced site. As a condition of approval, the ACHCS letter requested that Thrifty propose one additional offsite boring location across Linden Street north of the proposed boring SB-3. In response to the ACHCS letter, Thrifty proposes one additional offsite soil boring location (SB-4 as seen in **Figure 1**). The purpose of the offsite soil boring SB-4, and previously proposed and approved soil boring SB-3 was to characterize the current downgradient subsurface soil conditions and to define the downgradient limit of the dissolved-phase contamination plume.

Site assessment activities were conducted on November 30, 2010, and a report summarizing these activities will be submitted under separate cover by January 15, 2011. In accordance with the above-mentioned Workplan dated September 22, 2010 and subsequent amendments, soil borings SB-1 through SB-4 were all installed to approximately 20-feet below ground surface (bgs) and soil samples were collected from 5-feet bgs to 20-feet bgs in all four borings with a groundwater grab sample collected from SB-4 (Thrifty had intended to collect a groundwater sample from boring SB-3 but no groundwater was encountered in that boring). The results of the soil samples indicated no detectable concentrations of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX) or oxygenates in soil samples collected in the offsite soil borings SB-3 and SB-4 (with the exception of 5.2 µg/Kg MTBE in sample SB-4-15), and low to moderate constituent concentrations in the soil samples from the onsite borings SB-1 and SB-2. Groundwater sample analytical results indicated no detectable concentrations for all constituents of concern with the exception of very low MTBE at 12 µg/L from boring SB-4.

Request for Closure

The Third Quarter 2012 groundwater monitoring event completes the third of four quarters of groundwater monitoring required by the ACHCS in a letter dated February 23, 2012 and addressed to Thrifty. Third Quarter 2012 sampling results indicate maximum benzene, MTBE and TBA concentrations at 8.7 micrograms per liter (µg/L), 42 µg/L and of 63 µg/L, respectively. Ethanol was detected in well MW-5 (located at the northeastern boundary of the Thrifty property and upgradient of the site underground storage tanks, dispenser lines and dispenser islands) at 6,200 µg/L, and as stated in the Second Quarter 2012 Status Report, this contamination is related to another source other than Thrifty. Thrifty terminated their operation of the station and USTs and associated piping in May 1997 and this first generation of USTs and associated piping were removed from the site in March 1998 at which time ethanol was not used as a gasoline additive.

Thrifty believes that the results of previously reported site assessment activities as well as the results of the Third Quarter 2012 groundwater sampling event and historical groundwater data indicate the hydrocarbon plume has been defined, is stable, is essentially restricted to the site property, will continue to diminish through natural attenuation, and the site poses very little to no threat to human health or the environment. Therefore, we respectfully request low risk regulatory case closure for this site.

Planned Activities

If the ACHCS does not grant site closure, Thrifty will sample and monitor the groundwater monitoring wells at the site during the Fourth Quarter 2012 and after this event will discontinue the quarterly sample events. All site monitoring/sampling data generated during the next quarter will be reported in the Fourth Quarter 2012 monitoring report.

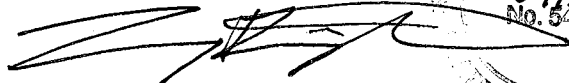
Closing Comments

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 Manager



Larry Higinbotham
Registered Geologist No. 5497



TABLES

**SUMMARY TABLE
CURRENT PERIOD GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA, 94612
T0600101365**

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)	ETH (mg/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	DIA (inches)	SCREEN (feet)
MW-1	ACT	09/05/12	1,280	6.4	<0.24	<0.21	<0.45	16	<0.2	<0.23	<0.19	<5.2	<0.100	NP	5.46	17.77	0.00	31.55	26.09	2"	5 - 25
MW-2R	ACT	09/05/12	163	<0.18	<0.24	<0.21	<0.45	16	<0.2	<0.23	4.8	27	<0.100	NP	4.52	16.79	0.00	30.49	25.97	4"	5 - 20
MW-3	ACT	09/05/12	482	8.7	2.3 J	<0.21	3.7 J	42	<0.2	<0.23	<0.19	63	<0.100	NP	5.74	24.14	0.00	31.15	25.41	2"	5 - 25
MW-4R	ACT	09/05/12	58.0	<0.18	<0.24	<0.21	<0.45	7.8	<0.2	<0.23	1.3	<5.2	<0.100	NP	4.32	19.64	0.00	30.23	25.91	4"	5 - 20
MW-5	ACT	09/05/12	<6.6	<1.8	<2.4	<2.1	<4.5	<1.9	<2.0	<2.3	<1.9	<52.0	6.200	NP	4.57	13.74	0.00	32.30	27.73	2"	4 - 14
MW-6	ACT	09/05/12	514	2.3	<0.24	<0.21	1.3 J	15	<0.2	<0.23	<0.19	<5.2	<0.100	NP	5.43	13.02	0.00	33.14	27.71	2"	4 - 14
MW-7	ACT	09/05/12	65.7	<0.18	<0.24	<0.21	2.3 J	22	<0.2	<0.23	4.0	51	<0.100	NP	4.79	13.55	0.00	31.61	26.82	4"	4 - 14
RW-1R	ACT	09/05/12	186	2.1	<0.24	<0.21	<0.45	5.6	<0.2	<0.23	<0.19	<5.2	<0.100	NP	4.57	19.08	0.00	30.59	26.02	4"	5 - 20

<p>NOTE:</p> <p>ACT Groundwater well currently used for monitoring</p> <p>INACT Groundwater well is NOT included in monitoring program</p> <p>DRY Groundwater well is dry and cannot be sampled</p> <p>NOACC Presently no access to groundwater well</p> <p>DEST Well has been properly destroyed, no longer a conduit to subsurface</p> <p>AB Groundwater well is abandoned, but not yet destroyed</p>	<p>TPHg = Total Petroleum Hydrocarbons as gasoline</p> <p>TPHd = Total Petroleum Hydrocarbons as diesel</p> <p>B = Benzene</p> <p>T = Toluene</p> <p>E = Ethylbenzene</p> <p>X = Total Xylenes</p>	<p>MTBE = Methyl-tert-butyl ether</p> <p>DIPE = Isopropyl ether</p> <p>ETBE = Ethyl-tert-butyl ether</p> <p>TAME = Tert-amyl methyl ether</p> <p>TBA = Tertiary butyl alcohol</p> <p>ETH = Ethanol</p>	<p>DTP = Depth To Product</p> <p>DTW = Depth To Water</p> <p>DTB = Depth To Bottom</p> <p>PT = Product Thickness</p> <p>GW = Groundwater</p> <p>NP = No free product</p>	<p>"-." = Not analyzed / Not available</p> <p>"<" = Less than detection level indicated</p> <p>"J" = Flag indicating value between MDL & PQL</p> <p>ug/L micrograms per liter</p> <p>mg/L milligrams per liter</p>
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**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
MONITORING WELL #MW-1											
Screen Interval = 5 to 25 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	5.54	0.00	98.03	92.49
04/13/92	-	-	-	-	-	-	NP	5.86	0.00	98.03	92.17
10/05/92	-	-	-	-	-	-	NP	9.39	0.00	98.03	88.64
01/06/93	-	-	-	-	-	-	NP	4.76	0.00	98.03	93.27
04/26/93	-	-	-	-	-	-	NP	4.96	0.00	98.03	93.07
01/04/94	-	-	-	-	-	-	NP	7.00	0.00	98.03	91.03
04/05/94	-	-	-	-	-	-	NP	6.44	0.00	98.03	91.59
10/09/95	44,000	4,500	4,300	1,700	10,000	-	-	-	-	98.03	-
01/08/96	21,000	1,200	150	34	4,800	-	NP	6.15	0.00	98.03	91.88
04/08/96	4,700	80	110	10	910	-	NP	5.40	0.00	98.03	92.63
07/22/96	7,000	280	130	<3.0	2,100	440	NP	5.50	0.00	98.03	92.53
10/16/96	120	<0.3	<0.3	<0.3	<0.5	180	NP	6.02	0.00	98.03	92.01
01/22/97	160	<0.3	<0.3	<0.3	<0.5	360	NP	4.40	0.00	98.03	93.63
04/21/97	20,000	420	140	5.8	840	55,000	NP	6.30	0.00	98.03	91.73
07/14/97	13,000	<0.3	<0.3	<0.3	<0.55	30,000	NP	5.92	0.00	98.03	92.11
10/07/97	-	-	-	-	-	-	7.70	7.71	0.01	98.03	90.33
01/15/98	<50	0.3	<0.3	<0.3	<0.5	-	NP	4.40	0.00	98.03	93.63
04/23/98	540	<0.3	<0.3	<0.3	<0.5	<20	NP	8.10	0.00	98.03	89.93
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	5.55	0.00	98.03	92.48
10/14/98	50	1.4	0.56	<0.3	11	22	NP	7.05	0.00	98.03	90.98
01/21/99	<50	0.59	<0.3	<0.3	<0.5	<5.0	NP	4.10	0.00	98.03	93.93
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	4.30	0.00	98.03	93.73
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	5.54	0.00	98.03	92.49
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.13	0.00	98.03	91.90
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.04	0.00	98.03	91.99
04/05/00	<50	<0.25	<0.25	<0.25	<0.5	<5.0	NP	4.03	0.00	98.03	94.00
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	4.00	0.00	98.03	94.03
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.53	0.00	98.03	92.50
01/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.97	0.00	98.03	94.06
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.98	0.00	98.03	94.05
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.51	0.00	98.03	92.52
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.97	0.00	98.03	94.06
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.95	0.00	98.03	94.08
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	2.42	0.00	98.03	95.61
07/31/02	<50	<0.18	1.3	<0.18	<0.26	<0.24	NP	5.49	0.00	98.03	92.54
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	16	NP	6.13	0.00	98.03	91.90
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	2.45	0.00	98.03	95.58
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	7.02	0.00	98.03	91.01
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.15	0.00	98.03	92.88
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.13	0.00	98.03	92.90
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	3.92	0.00	98.03	94.11
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.54	0.00	98.03	93.49
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	7.01	0.00	98.03	91.02
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.46	0.00	98.03	92.57
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.48	0.00	98.03	92.55
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.99	0.00	98.03	91.04
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.42	0.00	98.03	91.61
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.98	0.00	98.03	91.05
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.56	0.00	98.03	93.47
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	3.93	0.00	98.03	94.10

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
07/19/06	17,100	21	279	388	2,010	128	NP	5.92	0.00	98.03	92.11
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	33	NP	6.38	0.00	98.03	91.65
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.99	0.00	98.03	91.04
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	31.55	26.15
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	7.1	NP	5.46	0.00	31.55	26.09
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	4.9	NP	5.92	0.00	31.55	25.63
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	1.6	NP	5.46	0.00	31.55	26.09
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	1.3	NP	5.46	0.00	31.55	26.09
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.45	0.00	31.55	26.10
07/16/08	<6.6	<0.18	<0.24	<0.21	1.2 J	<0.19	NP	6.96	0.00	31.55	24.59
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.44	0.00	31.55	26.11
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.47	0.00	31.55	26.08
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.48	0.00	31.55	26.07
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.46	0.00	31.55	26.09
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.30	0.00	31.55	26.25
10/20/10	<6.6	<0.18	1.1 J	<0.21	1.7 J	<0.19	NP	5.46	0.00	31.55	26.09
01/19/11	<6.6	<0.18	<0.24	<0.23	<0.45	<0.19	NP	5.44	0.00	31.55	26.11
03/16/12	1,560	40	11	130	220	29.0	NP	3.54	0.00	31.55	28.01
06/06/12	1,300	14	3.0 J	48	120	10.0	Sheen	5.26	0.00	31.55	26.29
09/05/12	1,280	6.4	<0.24	<0.21	<0.45	16	NP	5.46	0.00	31.55	26.09
MONITORING WELL #MW-2											
Screen Interval = 5 to 25 feet											
01/09/92	-	-	-	-	-	-	NP	5.35	0.00	97.44	92.09
04/13/92	-	-	-	-	-	-	NP	7.42	0.00	97.44	90.02
10/05/92	-	-	-	-	-	-	NP	12.15	0.00	97.44	85.29
01/06/93	-	-	-	-	-	-	NP	5.46	0.00	97.44	91.98
04/26/93	-	-	-	-	-	-	NP	5.15	0.00	97.44	92.29
01/04/94	-	-	-	-	-	-	NP	9.45	0.00	97.44	87.99
04/05/94	-	-	-	-	-	-	NP	8.23	0.00	97.44	89.21
10/09/95	33,000	6,000	390	1,700	4,900	-	-	-	-	97.44	-
01/08/96	<50	0.32	<0.3	0.41	2.1	-	NP	5.60	0.00	97.44	91.84
04/08/96	10,000	490	210	210	830	-	NP	5.43	0.00	97.44	92.01
07/22/96	60,000	6,500	1,000	1,500	10,000	8,500	NP	5.65	0.00	97.44	91.79
10/16/96	6,500	12	0.34	0.72	110	4,700	NP	5.82	0.00	97.44	91.62
01/22/97	3,200	<0.3	0.46	0.37	<0.5	8,000	NP	4.30	0.00	97.44	93.14
04/21/97	66,000	5,300	1,000	2,300	14,000	30,000	NP	5.80	0.00	97.44	91.64
07/14/97	17,000	1.8	4.6	4.6	350	24,000	NP	8.92	0.00	97.44	88.52
10/07/97	220,000	5,200	1,700	3,800	15,000	-	NP	6.80	0.00	97.44	90.64
01/19/98	25,000	5.4	2.2	2.1	240	-	NP	8.50	0.00	97.44	88.94
04/23/98	7,700	<0.3	0.55	0.38	4.9	28,000	NP	7.60	0.00	97.44	89.84
07/20/98	430,000	4,200	10,000	5,400	28,000	77,000	NP	6.94	0.00	97.44	90.50
10/14/98	27,000	<0.3	4.5	4.1	4.6	65,000	NP	8.45	0.00	97.44	88.99
01/21/99	16,000	7.6	9.8	4.2	310	* 49,000 / 42,000	NP	6.95	0.00	97.44	90.49
04/15/99	20,000	<0.3	<0.3	<0.3	<0.5	* 31,000 / 30,000	NP	8.45	0.00	97.44	88.99
07/26/99	6,700	<6.0	<6.0	<6.0	<10	* 11,000 / 15,000	NP	6.94	0.00	97.44	90.50
10/13/99	7,600	<3.0	3.7	<3.0	11	11,000	NP	5.48	0.00	97.44	91.96
01/20/00	7,500	<6.0	<6.0	<6.0	<10	* 14,000 / 16,000	NP	5.84	0.00	97.44	91.60
04/05/00	10,400	<0.25	<0.25	<0.25	<0.5	* 10,000 / 14,400	NP	5.41	0.00	97.44	92.03
07/19/00	130	<0.3	<0.3	<0.3	<0.6	* 9,620 / 6,520	NP	5.40	0.00	97.44	92.04
10/18/00	150	<0.18	<0.14	<0.18	<0.26	* 9,090 / 6,560	NP	6.91	0.00	97.44	90.53

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
01/17/01	75	<0.18	2.0	2.0	3.0	*8,650 / 9,710	NP	5.41	0.00	97.44	92.03
04/19/01	4,380	<0.18	<0.14	<0.18	<0.26	8,890	NP	5.40	0.00	97.44	92.04
07/18/01	3,260	<0.18	<0.14	<0.18	2.0	*7960 / 1,710	NP	6.92	0.00	97.44	90.52
10/10/01	1,760	<0.18	<0.14	<0.18	<0.26	*2,980 / 2,600	NP	3.87	0.00	97.44	93.57
01/30/02	1,770	<0.18	1.0	1.0	2.0	*2,560 / 1,590	NP	8.45	0.00	97.44	88.99
04/17/02	1,470	1.0	<0.14	<0.18	<0.26	*2,460 / 2,080	NP	8.45	0.00	97.44	88.99
07/31/02	3,910	<0.18	1.2	<0.18	2.1	*2,090 / 1,740	NP	9.98	0.00	97.44	87.46
11/14/02	39,400	1,680	728	173	5,120	8,270	NP	5.40	0.00	97.44	92.04
01/29/03	22,100	746	76	<1.0	2,840	8,220	NP	8.43	0.00	97.44	89.01
04/23/03	19,500	<0.8	<0.4	<0.4	<1.2	9,580	NP	5.38	0.00	97.44	92.06
07/10/03	29,900	<2.2	<3.2	<3.1	<4.0	6,690	NP	5.10	0.00	97.44	92.34
10/20/03	13,000	4.79	<0.02	<0.02	<0.06	*6,330 / 5,980	NP	5.10	0.00	97.44	92.34
WELL ABANDONED 01/2004											
MONITORING WELL #MW-2R											
Screen Interval = 5 to 20 feet						Casing Diameter = 4 inches					
02/03/04							-	-	-	-	-
04/08/04	11,600	304	16 J	55	427	4,170	NP	4.58	0.00	-	-
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.72	0.00	-	-
10/20/04	20,900	3,180	2,970	259	1,240	92	NP	3.72	0.00	-	-
01/19/05	18,900	537	250	866	2,290	3,340	NP	4.50	0.00	-	-
04/20/05	13,100	<2.2	<3.2	<3.1	<4.0	563	NP	5.27	0.00	-	-
07/07/05	2,500	70	7.6	<0.24	160	1,930	-	-	-	-	-
07/20/05	4,260	392	15 J	175	100	742	NP	6.12	0.00	-	-
10/19/05	321	<0.32	<0.10	<0.24	<0.30	423	NP	5.28	0.00	-	-
01/24/06	3,200	34	331	87	510	86	NP	4.58	0.00	-	-
04/19/06	22,100	440	4,240	234	1,530	195	NP	3.38	0.00	-	-
07/19/06	15,800	377	629	627	578	530	NP	8.10	0.00	-	-
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	57,600	75	5,730	1,770	7,820	263	NP	5.28	0.00	-	-
01/17/07	117,000	254	15,200	4,840	28,800	300	NP	6.82	0.00	30.49	23.67
04/18/07	896	<0.32	<0.10	<0.24	117	49	NP	7.60	0.00	30.49	22.89
07/18/07	2,290	106	3.7 J	2.2 J	160	146	NP	5.62	0.00	30.49	24.87
10/17/07	313	<0.18	5.9	1.6 J	20	162	NP	3.41	0.00	30.49	27.08
01/16/08	77	<0.18	<0.24	<0.21	<0.45	105	NP	4.51	0.00	30.49	25.98
04/22/08	30,300	165	3,660	2,060	11,400	<19	NP	7.59	0.00	30.49	22.90
07/16/08	15,100	62	600	186	1,280	148	NP	5.26	0.00	30.49	25.23
10/15/08	291	12	<0.24	<0.21	1.1 J	263	NP	4.52	0.00	30.49	25.97
01/21/09	1,060	11	176	41	243	123	NP	4.52	0.00	30.49	25.97
04/15/09	26,500	154	2,360	874	5,600	66	NP	4.53	0.00	30.49	25.96
10/21/09	12,600	396	2,380	469	2,870	<1.9	NP	3.79	0.00	30.49	26.70
04/21/10	6,350	40	180	109	878	24	NP	4.35	0.00	30.49	26.14
10/20/10	83	<0.18	<0.24	<0.21	<0.45	23	NP	4.51	0.00	30.49	25.98
01/19/11	12,900	340	1,460	<0.23	2,000	9.2	NP	4.48	0.00	30.49	26.01
03/16/12	1,200	2.2	<0.24	29	9.4	12	NP	3.09	0.00	30.49	27.40
06/06/12	1,090	2.2	<0.24	38	4.0 J	16	NP	4.28	0.00	30.49	26.21
09/05/12	163	<0.18	<0.24	<0.21	<0.45	16	NP	4.52	0.00	30.49	25.97

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
MONITORING WELL #MW-3											
Screen Interval = 5 to 25 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	17.60	0.00	97.69	80.09
04/13/92	-	-	-	-	-	-	NP	17.40	0.00	97.69	80.29
10/05/92	-	-	-	-	-	-	NP	17.35	0.00	97.69	80.34
01/06/93	-	-	-	-	-	-	NP	17.40	0.00	97.69	80.29
04/26/93	-	-	-	-	-	-	NP	17.90	0.00	97.69	79.79
01/04/94	-	-	-	-	-	-	NP	17.60	0.00	97.69	80.09
04/05/94	-	-	-	-	-	-	NP	16.25	0.00	97.69	81.44
01/08/96	-	-	-	-	-	-	NP	7.11	0.00	97.69	90.58
04/08/96	8,800	610	31	530	900	-	NP	7.20	0.00	97.69	90.49
07/22/96	38,000	4,100	1,500	1,600	5,400	2,600	NP	6.82	0.00	97.69	90.87
10/16/96	2,400	<0.3	<0.3	<0.3	<0.5	3,800	NP	6.84	0.00	97.69	90.85
01/22/97	2,200	<0.3	<0.3	<0.3	<0.5	5,500	NP	4.80	0.00	97.69	92.89
04/21/97	15,000	1,500	36	260	710	11,000	NP	9.40	0.00	97.69	88.29
07/14/97	5,400	0.45	<0.3	<0.3	<0.5	14,000	NP	10.92	0.00	97.69	86.77
10/07/97	8,800	0.39	<0.3	<0.3	0.88	-	NP	11.95	0.00	97.69	85.74
01/19/98	22,000	1,300	15	20	310	-	NP	7.85	0.00	97.69	89.84
04/23/98	9,200	3.9	3.1	5.7	9.8	16,000	NP	11.20	0.00	97.69	86.49
07/20/98	750	0.41	1.4	0.47	1.8	2,800	NP	7.36	0.00	97.69	90.33
10/14/98	750	<0.3	<0.3	<0.3	<0.5	15,000	NP	11.95	0.00	97.69	85.74
01/21/99	4,700	0.32	<0.3	<0.3	<0.5	* 12,000 / 16,000	NP	10.45	0.00	97.69	87.24
04/15/99	7,900	0.59	0.69	<0.3	0.94	* 11,000 / 14,000	NP	7.86	0.00	97.69	89.83
07/26/99	5,200	<3.0	<3.0	<3.0	<5.0	*9,600 / 11,000	NP	10.40	0.00	97.69	87.29
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	7.09	0.00	97.69	90.60
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.86	0.00	97.69	90.83
04/05/00	<50	0.8	<0.25	<0.25	<0.5	*5.6 / <5.0	NP	8.85	0.00	97.69	88.84
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	8.86	0.00	97.69	88.83
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.32	0.00	97.69	90.37
01/17/01	<50	<0.18	2.0	<0.18	1.0	*39 / 39	NP	5.40	0.00	97.69	92.29
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	8.87	0.00	97.69	88.82
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.32	0.00	97.69	90.37
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	8.87	0.00	97.69	88.82
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.78	0.00	97.69	91.91
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	7.31	0.00	97.69	90.38
07/31/02	138	1.1	1.2	<0.18	<0.26	<0.24	NP	5.76	0.00	97.69	91.93
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	21	NP	5.73	0.00	97.69	91.96
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	16	NP	7.30	0.00	97.69	90.39
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	16	NP	5.76	0.00	97.69	91.93
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	11	NP	5.63	0.00	97.69	92.06
10/20/03	13,700	4.13	<0.02	<0.02	<0.06	*6,570 / 4,920	NP	5.61	0.00	97.69	92.08
01/14/04	1,160	2.0	2.2	6.1	7.8	*1,510 / 767	NP	4.23	0.00	97.69	93.46
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.48	0.00	97.69	92.21
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.66	0.00	97.69	91.03
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.20	0.00	97.69	93.49
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.74	0.00	97.69	91.95
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	7.23	0.00	97.69	90.46
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.82	0.00	97.69	90.87
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	7.0	NP	7.26	0.00	97.69	90.43
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.50	0.00	97.69	92.19
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.72	0.00	97.69	91.97
07/19/06	12,900	539	744	169	296	1,640	NP	5.63	0.00	97.69	92.06

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
09/15/06	1,750	4.3	68	11	90	502	NP	6.62	0.00	97.69	91.07
10/18/06	75	<0.32	<0.10	1.1 J	1.1 J	47	NP	5.72	0.00	97.69	91.97
01/17/07	<5.6	<0.32	2.1 J	<0.24	1.0 J	13	NP	5.73	0.00	31.15	25.42
04/18/07	<5.6	<0.32	2.0 J	<0.24	6.2	11	NP	5.74	0.00	31.15	25.41
07/18/07	<5.6	<0.18	2.2 J	<0.21	1.3 J	5.3	NP	8.36	0.00	31.15	22.79
10/17/07	<5.6	1.0	<0.24	<0.21	<0.45	1.5	NP	5.74	0.00	31.15	25.41
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	1.3	NP	5.73	0.00	31.15	25.42
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	1.2	NP	5.73	0.00	31.15	25.42
07/16/08	<6.6	<0.18	1.0 J	<0.21	1.5 J	<0.19	NP	7.23	0.00	31.15	23.92
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.72	0.00	31.15	25.43
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.76	0.00	31.15	25.39
04/15/09	<6.6	<0.18	1.1 J	<0.21	<0.45	<0.19	NP	5.73	0.00	31.15	25.42
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.23	0.00	31.15	26.92
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.90	0.00	31.15	25.25
10/20/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.71	0.00	31.15	25.44
01/19/11	326	2.5	43	10	53	<0.19	NP	5.69	0.00	31.15	25.46
03/16/12	20,600	38	7,600	25	6.9	59	NP	4.42	0.00	31.15	26.73
06/06/12	4,670	36	290	37	<2.25	37	Sheen	5.74	0.00	31.15	25.41
09/05/12	482	8.7	2.3 J	<0.21	3.7 J	42	NP	5.74	0.00	31.15	25.41

MONITORING WELL #MW-4

Screen Interval = 4 to 14 feet

01/09/92	-	-	-	-	-	-	NP	5.25	0.00	97.33	92.08
04/13/92	-	-	-	-	-	-	NP	6.40	0.00	97.33	90.93
10/05/92	-	-	-	-	-	-	NP	9.95	0.00	97.33	87.38
01/06/93	-	-	-	-	-	-	NP	4.10	0.00	97.33	93.23
04/26/93	-	-	-	-	-	-	NP	4.84	0.00	97.33	92.49
01/04/94	-	-	-	-	-	-	NP	9.05	0.00	97.33	88.28
04/05/94	-	-	-	-	-	-	NP	8.10	0.00	97.33	89.23
10/09/95	63,000	9,000	2,100	2,500	9,600	-	-	-	-	97.33	-
01/08/96	23,000	2,200	830	880	3,600	-	NP	5.57	0.00	97.33	91.76
04/08/96	56,000	5,000	2,500	2,600	11,000	-	NP	5.36	0.00	97.33	91.97
07/22/96	33,000	3,700	1,600	1,400	6,000	2,400	NP	4.80	0.00	97.33	92.53
10/16/96	2,800	7.8	0.60	0.41	52	2,000	NP	5.47	0.00	97.33	91.86
01/22/97	1,400	<0.3	<0.3	<0.3	<0.5	3,100	NP	5.15	0.00	97.33	92.18
04/21/97	-	-	-	-	-	-	5.30	6.36	1.06	97.33	91.77
07/14/97	-	-	-	-	-	-	5.21	5.24	0.03	97.33	92.11
10/07/97	-	-	-	-	-	-	7.80	7.82	0.02	97.33	89.53
01/15/98	-	-	-	-	-	-	6.60	6.68	0.08	97.33	90.71
04/23/98	-	-	-	-	-	-	5.30	6.36	1.06	97.33	91.77
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.05	0.00	97.33	91.28
10/14/98	3,100	86	23	2.0	520	1,100	NP	6.85	0.00	97.33	90.48
01/21/99	9,100	3.2	5.6	1.8	130	* 24,000 / 17,000	NP	6.10	0.00	97.33	91.23
04/15/99	14,000	<0.3	0.71	<0.3	<0.5	* 20,000 / 22,000	NP	6.05	0.00	97.33	91.28
07/26/99	4,500	<6.0	<6	<6	<10	* 8,700 / 9,800	NP	6.07	0.00	97.33	91.26
10/13/99	410	<0.3	0.63	<0.3	<0.5	660	NP	5.54	0.00	97.33	91.79
01/20/00	770	<0.3	<0.3	<0.3	<0.5	* 2,400 / 1,900	NP	5.49	0.00	97.33	91.84
04/05/00	61,200	0.9	<0.25	<0.25	<0.5	* 18,500 / 21,900	NP	5.30	0.00	97.33	92.03
07/19/00	96,600	1,770	1,760	2,690	8,730	21,900 / 9,740 J	NP	5.29	0.00	97.33	92.04
10/18/00	34,900	698	1,010	607	4,130	* 27,800 / 15,900	NP	6.02	0.00	97.33	91.31
01/17/01	29,100	799	930	614	3,400	* 24,300 / 31,400	NP	4.88	0.00	97.33	92.45

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
04/19/01	103,000	4,880	3,980	3,260	11,800	66,900	NP	4.89	0.00	97.33	92.44
07/18/01	52,200	3,320	2,090	440	5,520	*55,500 / 16,800	NP	6.04	0.00	97.33	91.29
10/10/01	8,580	6.1	14	5.3	70	*40,100 / 30,000	NP	4.51	0.00	97.33	92.82
01/30/02	36,500	<0.18	3.0	1.0	3.0	*43,000 / 24,900	NP	4.51	0.00	97.33	92.82
04/17/02	12,900	8.0	1.0	<0.18	1.0	16,000 / 13,600	NP	4.51	0.00	97.33	92.82
07/31/02	19,300	<0.18	1.2	1.5	2.6	*13,200 / 10,100	NP	5.26	0.00	97.33	92.07
11/14/02	36,200	1,720	940	235	6,190	8,280	NP	5.27	0.00	97.33	92.06
01/29/03	13,000	444	39	<0.4	1,200	8,160	NP	4.50	0.00	97.33	92.83
04/23/03	7,430	130	5.7	<0.2	387	5,830	NP	4.80	0.00	97.33	92.53
07/10/03	16,200	<2.2	<3.2	<3.1	<4.0	3,930	NP	4.55	0.00	97.33	92.78
10/20/03	6,040	672	384	3.4	444	*3,780 / 3,220	NP	4.56	0.00	97.33	92.77
WELL ABANDONED 01/2004											
MONITORING WELL #MW-4											
Screen Interval = 5 to 20 feet						Casing Diameter = 4 inches					
02/03/04							-				
04/03/04	37,900	819	424	159	3,190	18,400	NP	4.96	0.00	-	-
07/21/04	14,500	<2.2	<3.2	<3.1	39 J	18,900	NP	6.60	0.00	-	-
10/20/04	66,000	6,390	6,560	672	3,290	13,300	NP	3.38	0.00	-	-
01/19/05	17,600	513	240	855	2,230	3,310	NP	4.32	0.00	-	-
04/20/05	19,200	190	109	-452	974	1,870	NP	4.72	0.00	-	-
07/07/05	11,500	233	68	369	875	2,350	-	-	-	-	-
07/20/05	11,300	251	90	154	1,460	1,280	NP	6.08	0.00	-	-
10/19/05	1,310	<0.32	<0.10	<0.24	<0.30	1,160	NP	5.08	0.00	-	-
01/24/06	41,300	391	2,310	871	5,430	388	NP	4.98	0.00	-	-
04/19/06	26,100	399	1,290	254	3,350	732	NP	4.72	0.00	-	-
07/19/06	34,500	38	1,120	251	3,950	115	NP	6.84	0.00	-	-
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	37,000	<32	3,910	1,350	5,770	389	NP	5.85	0.00	-	-
01/17/07	211,000	223	22,800	5,670	33,800	<126	NP	6.62	0.00	30.23	23.61
04/18/07	13,000	52	2,300	97 J	5,140	102	NP	7.02	0.00	30.23	23.21
07/18/07	2,510	88	1.7 J	<0.21	107	124	NP	5.36	0.00	30.23	24.87
10/17/07	580	<0.18	24	3.9 J	81	120	NP	4.72	0.00	30.23	25.51
01/16/08	2,040	14	5.6	33	97	107	NP	4.34	0.00	30.23	25.89
04/22/08	1,310	24	329	111	582	<1.9	NP	7.00	0.00	30.23	23.23
07/16/08	33,400	236	2,030	1,030	6,990	6.6	NP	5.05	0.00	30.23	25.18
10/15/08	1,800	61	2.4 J	<0.21	23	130	NP	4.35	0.00	30.23	25.88
01/21/09	750	15	170	38	221	109	NP	4.35	0.00	30.23	25.88
04/15/09	27,100	197	2,300	834	4,810	<19.0	NP	4.35	0.00	30.23	25.88
10/21/09	5,240	161	712	145	1,000	<1.9	NP	3.40	0.00	30.23	26.83
04/21/10	2,480	22	<1.2	17 J	723	27	NP	4.52	0.00	30.23	25.71
10/20/10	20,300	351	3,600	483	2,780	<3.8	NP	4.32	0.00	30.23	25.91
01/19/11	63,300	586	9,360	1,970	16,300	<3.8	NP	4.30	0.00	30.23	25.93
03/16/12	1,080	1.8	<0.24	15	7.8	8.0	NP	2.78	0.00	30.23	27.45
06/06/12	663	2.4	<0.24	5.6	1.3 J	48	NP	4.03	0.00	30.23	26.20
09/05/12	58.0	<0.18	<0.24	<0.21	<0.45	7.8	NP	4.32	0.00	30.23	25.91
MONITORING WELL #MW-5											
Screen Interval = 4 to 14 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	5.32	0.00	98.85	93.53
04/13/92	-	-	-	-	-	-	NP	4.82	0.00	98.85	94.03
10/05/92	-	-	-	-	-	-	NP	8.78	0.00	98.85	90.07

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
01/06/93	-	-	-	-	-	-	NP	3.46	0.00	98.85	95.39
04/26/93	-	-	-	-	-	-	NP	4.66	0.00	98.85	94.19
01/04/94	-	-	-	-	-	-	NP	6.36	0.00	98.85	92.49
04/05/94	-	-	-	-	-	-	NP	5.94	0.00	98.85	92.91
07/12/95	<100	<0.5	<0.5	<0.5	<1.0	-	-	-	-	98.85	-
10/09/95	440	31	11	19	84	-	-	-	-	98.85	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	6.63	0.00	98.85	92.22
04/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	5.22	0.00	98.85	93.63
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.62	0.00	98.85	92.23
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.12	0.00	98.85	92.73
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	5.17	0.00	98.85	93.68
04/21/97	73	2.5	0.34	0.74	3.8	21	NP	6.64	0.00	98.85	92.21
07/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.67	0.00	98.85	92.18
10/07/97	130	<0.3	<0.3	<0.3	<0.5	-	NP	8.20	0.00	98.85	90.65
01/19/98	85	<0.3	<0.3	<0.3	<0.5	-	NP	1.55	0.00	98.85	97.30
04/23/98	220	0.39	<0.3	<0.3	<0.5	350	NP	8.10	0.00	98.85	90.75
07/20/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.30	0.00	98.85	92.55
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	7.65	0.00	98.85	91.20
01/21/99	<50	<0.3	<0.3	<0.3	<0.5	*6.7 / <5.0	NP	6.15	0.00	98.85	92.70
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	1.60	0.00	98.85	97.25
07/26/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.13	0.00	98.85	92.72
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.61	0.00	98.85	92.24
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.14	0.00	98.85	92.71
04/05/00	<50	0.5	<0.25	<0.25	<0.5	*5.4 / <5.0	NP	4.58	0.00	98.85	94.27
07/19/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	4.59	0.00	98.85	94.26
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.28	0.00	98.85	92.57
01/17/01	<50	<0.18	<0.14	<0.18	1.0	*5.0 / 4.8	NP	4.58	0.00	98.85	94.27
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	94.27
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.12	0.00	98.85	92.73
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	94.27
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.48	0.00	98.85	94.37
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	4.58	0.00	98.85	94.27
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	6.10	0.00	98.85	92.75
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	9.0	NP	6.11	0.00	98.85	92.74
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	7.1	NP	4.55	0.00	98.85	94.30
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	7.9	NP	3.03	0.00	98.85	95.82
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	7.4	NP	5.25	0.00	98.85	93.60
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	*9.11 / 9.2	NP	5.25	0.00	98.85	93.60
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	*8.2 / 4.1	NP	3.03	0.00	98.85	95.82
04/08/04	797	<0.22	<0.32	<0.31	<0.4	635	NP	4.35	0.00	98.85	94.50
07/21/04	548	<0.22	<0.32	<0.31	<0.4	788	NP	5.56	0.00	98.85	93.29
10/20/04	901	<0.22	<0.32	<0.31	<0.4	734	NP	4.15	0.00	98.85	94.70
01/19/05	350	<0.22	<0.32	<0.31	<0.4	860	NP	4.57	0.00	98.85	94.28
04/20/05	718	<0.22	<0.32	<0.31	<0.4	848	NP	6.10	0.00	98.85	92.75
07/20/05	255	<0.32	<0.10	<0.24	<0.30	274	NP	5.76	0.00	98.85	93.09
10/19/05	225	<0.32	<0.10	<0.24	<0.30	300	NP	6.10	0.00	98.85	92.75
01/24/06	681	<0.32	<0.10	<0.24	<0.30	334	NP	4.34	0.00	98.85	94.51
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.58	0.00	98.85	94.27
07/19/06	3,500	11	584	52	208	<0.63	NP	5.56	0.00	98.85	93.29
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	1.8	NP	5.81	0.00	98.85	93.04
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.08	0.00	98.85	92.77
01/17/07	162	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.09	0.00	32.30	26.21

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	6.09	0.00	32.30	26.21
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.52	0.00	32.30	25.78
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.55	0.00	32.30	27.75
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.56	0.00	32.30	27.74
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.11	0.00	32.30	26.19
07/16/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.08	0.00	32.30	26.22
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.53	0.00	32.30	27.77
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.60	0.00	32.30	27.70
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.60	0.00	32.30	27.70
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.17	0.00	32.30	27.70
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.06	0.00	32.30	28.13
10/20/10	<6.6	<0.18	1.3 J	<0.21	2.0 J	1.2	NP	4.59	0.00	32.30	27.71
01/19/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.56	0.00	32.30	27.74
03/16/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	2.78	0.00	32.30	29.52
06/06/12	6,020	83	830	160	1,100	<0.19	Sheen	5.37	0.00	32.30	26.93
09/05/12	<6.6	<1.8	<2.4	<2.1	<4.5	<1.9	NP	4.57	0.00	32.30	27.73
MONITORING WELL #MW-6											
Screen Interval = 4 to 14 feet						Casing Diameter = 2 inches					
01/09/92	-	-	-	-	-	-	NP	6.30	0.00	99.67	93.37
04/13/92	-	-	-	-	-	-	NP	5.47	0.00	99.67	94.20
10/05/92	-	-	-	-	-	-	NP	9.85	0.00	99.67	89.82
01/06/93	-	-	-	-	-	-	NP	4.16	0.00	99.67	95.51
04/26/93	-	-	-	-	-	-	NP	5.75	0.00	99.67	93.92
01/14/94	-	-	-	-	-	-	NP	7.20	0.00	99.67	92.47
04/05/94	-	-	-	-	-	-	NP	6.76	0.00	99.67	92.91
07/10/95	<100	<0.5	0.9	<0.5	1.1	-	-	-	-	99.67	-
10/09/95	250	4.8	5.6	11	58	-	-	-	-	99.67	-
01/08/96	<50	<0.3	<0.3	<0.3	<0.5	-	NP	6.16	0.00	99.67	93.51
04/08/96	230	4.6	4.7	3.2	33	-	NP	4.60	0.00	99.67	95.07
07/22/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	7.30	0.00	99.67	92.37
10/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	5.82	0.00	99.67	93.85
01/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	4.40	0.00	99.67	95.27
04/21/97	130	<0.3	<0.3	<0.3	<0.5	<20	NP	7.10	0.00	99.67	92.57
07/14/97	<50	<0.3	<0.3	<0.3	0.70	<20	NP	7.35	0.00	99.67	92.32
10/07/97	<50	0.78	0.3	<0.3	<0.5	-	NP	6.98	0.00	99.67	92.69
01/23/98	<50	<0.3	<0.3	<0.3	<0.5	-	NP	2.35	0.00	99.67	97.32
04/23/98	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	6.90	0.00	99.67	92.77
07/20/98	<50	<0.3	1.1	<0.3	1.4	<5.0	NP	5.45	0.00	99.67	94.22
10/14/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	4.95	0.00	99.67	94.72
01/21/99	<50	0.35	0.62	<0.3	<0.5	<5.0	NP	3.90	0.00	99.67	95.77
04/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	2.35	0.00	99.67	97.32
07/26/99	1,000	<0.3	<0.3	<0.3	<0.5	*2,300 / 3,900	NP	3.93	0.00	99.67	95.74
10/13/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	6.15	0.00	99.67	93.52
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*42 / 41	NP	5.84	0.00	99.67	93.83
04/05/00	4,600	338	2.8	1.2	55.2	*282 / 230	NP	3.89	0.00	99.67	95.78
07/19/00	60	1.0	2.0	<0.3	<0.6	*87 / 76	NP	3.07	0.00	99.67	96.60
10/18/00	-	-	-	-	-	-	-	-	-	99.67	-
01/17/01	103	<0.18	2.0	<0.18	3.0	*78 / 106	NP	3.87	0.00	99.67	95.80
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.40	0.00	99.67	94.27

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
01/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
04/17/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	3.86	0.00	99.67	95.81
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	5.40	0.00	99.67	94.27
11/14/02	140	3.2	<0.18	5.2	<0.4	111	NP	5.42	0.00	99.67	94.25
01/29/03	694 J	<0.04	<0.02	<0.02	<0.06	630	NP	3.88	0.00	99.67	95.79
04/23/03	1,550	<0.04	<0.02	<0.02	<0.06	578	NP	5.31	0.00	99.67	94.36
07/10/03	1,670	<0.22	<0.32	<0.31	<0.4	<0.4	NP	3.82	0.00	99.67	95.85
10/20/03	1,320	<0.04	<0.02	<0.02	<0.06	*656 / 662	NP	5.18	0.00	99.67	94.49
01/14/04	272	<0.04	<0.02	<0.02	<0.06	*304 / 180	NP	6.42	0.00	99.67	93.25
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.62	0.00	99.67	94.05
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.40	0.00	99.67	94.27
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.41	0.00	99.67	94.26
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.07	0.00	99.67	95.60
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	3.86	0.00	99.67	95.81
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.20	0.00	99.67	94.47
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	3.87	0.00	99.67	95.80
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.54	0.00	99.67	93.13
04/19/06	78	<0.32	<0.10	<0.24	<0.30	<0.63	NP	-	-	-	-
07/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	-	-	-	-
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	99.67	94.27
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.40	0.00	33.14	27.74
04/18/07	2,110	29	357	37	914	<0.63	NP	5.40	0.00	33.14	27.74
07/18/07	65	<0.18	<0.24	<0.21	<0.45	<0.19	NP	7.38	0.00	33.14	25.76
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	3.86	0.00	33.14	29.28
01/16/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.39	0.00	33.14	27.75
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.42	0.00	33.14	27.72
07/16/08	<6.6	<0.18	3.0 J	<0.21	<0.45	<0.19	NP	3.84	0.00	33.14	29.30
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.40	0.00	33.14	27.74
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.42	0.00	33.14	27.72
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.60	0.00	33.14	27.54
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.75	0.00	33.14	28.39
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.40	0.00	33.14	27.74
10/20/10	<6.6	<0.18	1.7 J	<0.21	<0.45	<0.19	NP	5.38	0.00	33.14	27.76
01/19/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	3.12	0.00	33.14	30.02
03/16/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.31	0.00	33.14	26.83
06/06/12	131,000	5,700	26,000	3,600	19,000	<19	NP	5.43	0.00	33.14	27.71
09/05/12	514	2.3	<0.24	<0.21	1.3 J	15	NP	-	-	-	-
MONITORING WELL #MW-7											
Screen Interval = 4 to 14 feet						Casing Diameter = 4 inches					
01/09/92	-	-	-	-	-	-	NP	6.30	0.00	99.02	92.72
04/13/92	-	-	-	-	-	-	NP	6.68	0.00	99.02	92.34
10/05/92	-	-	-	-	-	-	NP	9.60	0.00	99.02	89.42
01/06/93	-	-	-	-	-	-	NP	13.90	0.00	99.02	85.12
04/26/93	-	-	-	-	-	-	NP	5.55	0.00	99.02	93.47
01/04/94	-	-	-	-	-	-	NP	7.58	0.00	99.02	91.44
04/05/94	-	-	-	-	-	-	NP	6.66	0.00	99.02	92.36
10/09/95	27,000	2,400	140	1,700	2,700	-	-	-	-	99.02	-
01/08/96	13,000	800	42	540	860	-	NP	6.94	0.00	99.02	92.08

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
04/08/94	9,100	840	31	690	1,200	-	NP	5.48	0.00	99.02	93.54
07/22/96	11,000	1,700	22	660	700	840	NP	6.60	0.00	99.02	92.42
10/16/96	180	<0.3	<0.3	<0.3	<0.5	270	NP	6.42	0.00	99.02	92.60
01/22/97	130	<0.3	<0.3	<0.3	<0.5	470	NP	5.70	0.00	99.02	93.32
04/21/97	10,000	1,400	27	820	490	1,100	NP	5.30	0.00	99.02	93.72
07/14/97	8,200	660	15	230	270	560	NP	7.90	0.00	99.02	91.12
10/07/97	7,700	480	15	8.4	350	-	NP	7.70	0.00	99.02	91.32
01/19/98	1,400	20	0.74	0.46	4.4	-	NP	6.05	0.00	99.02	92.97
04/23/98	590	<0.3	<0.3	<0.3	<0.5	1,700	NP	7.60	0.00	99.02	91.42
07/20/98	4,900	570	150	300	500	1,500	NP	5.30	0.00	99.02	93.72
10/14/98	1,100	1.0	<0.3	<0.3	5.3	2,000	NP	8.60	0.00	99.02	90.42
01/21/99	570	0.32	<0.3	<0.3	<0.5	* 1,500 / 1,700	NP	6.70	0.00	99.02	92.32
04/15/99	770	<0.3	<0.3	<0.3	<0.5	* 1,400 / 1,200	NP	6.07	0.00	99.02	92.95
07/26/99	500	<0.3	<0.3	<0.3	<0.5	*710 / 950	NP	7.86	0.00	99.02	91.16
10/13/99	<50	<0.3	0.44	<0.3	0.62	<5.0	NP	6.93	0.00	99.02	92.09
01/20/00	<50	<0.3	<0.3	<0.3	<0.5	*5.0 / <5.0	NP	6.44	0.00	99.02	92.58
04/05/00	5,670	415	19	1.7	60.1	*329 / 194	NP	7.86	0.00	99.02	91.16
07/19/00	1,350	14	<3.0	<3.0	10	*237 / 120	NP	7.10	0.00	99.02	91.92
10/18/00	<50	<0.18	<0.14	<0.18	<0.26	*63 / 41.1	NP	5.28	0.00	99.02	93.74
01/17/01	<50	<0.18	<0.14	<0.18	3.0	*57 / 81	NP	5.27	0.00	99.02	93.75
04/19/01	<50	<0.18	<0.14	<0.18	<0.26	66	NP	7.86	0.00	99.02	91.16
07/18/01	<50	<0.18	<0.14	<0.18	<0.26	*9.0 / 3.5	NP	6.30	0.00	99.02	92.72
10/10/01	<50	<0.18	<0.14	<0.18	<0.26	*9.4 / 7.9	NP	8.23	0.00	99.02	90.79
01/30/02	2,590	40	9.0	8.0	6.0	*45 / 22	NP	5.14	0.00	99.02	93.88
04/17/02	51	<0.18	<0.14	<0.18	<0.26	*58 / 45	NP	5.53	0.00	99.02	93.49
07/31/02	<50	<0.18	<0.14	<0.18	<0.26	*39 / 33	NP	5.93	0.00	99.02	93.09
11/14/02	<50	<0.08	<0.18	<0.17	<0.4	6.8	NP	5.92	0.00	99.02	93.10
01/29/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.51	0.00	99.02	93.51
04/23/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.14	0.00	99.02	93.88
07/10/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.03	0.00	99.02	93.99
10/20/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	5.01	0.00	99.02	94.01
01/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	4.38	0.00	99.02	94.64
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.86	0.00	99.02	94.16
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.82	0.00	99.02	92.20
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.71	0.00	99.02	93.31
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	4.77	0.00	99.02	94.25
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.54	0.00	99.02	93.48
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.80	0.00	99.02	92.22
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.89	0.00	99.02	93.13
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.89	0.00	99.02	94.13
04/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	2.9	NP	5.13	0.00	99.02	93.89
07/19/06	3,430	58	28 J	<2.4	447	528	NP	6.31	0.00	99.02	92.71
09/15/06	<5.6	<0.32	<0.10	<0.24	<0.30	16	NP	6.72	0.00	99.02	92.30
10/18/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.13	0.00	99.02	93.89
01/17/07	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.62	0.00	31.61	24.99
04/18/07	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	5.86	0.00	31.61	25.75
07/18/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	6.82	0.00	31.61	24.79
10/17/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.87	0.00	31.61	25.74
01/06/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.79	0.00	31.61	26.82
04/22/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.84	0.00	31.61	25.77
07/16/08	<6.6	<0.18	2.1 J	<0.21	5.6	<0.19	NP	5.86	0.00	31.61	25.75

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
10/15/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
01/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
04/15/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.80	0.00	31.61	26.81
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.70	0.00	31.61	25.91
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.15	0.00	31.61	27.46
10/20/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.79	0.00	31.61	26.82
01/19/11	<6.6	<0.18	1.7 J	<0.21	3.3 J	<0.19	NP	4.76	0.00	31.61	26.85
03/16/12	1,500	20	1.5 J	4.0 J	<0.45	6.2	NP	3.96	0.00	31.61	27.65
06/06/12	1,880	16	<0.24	1.8 J	1.6 J	7.2	Sheen	5.46	0.00	31.61	26.15
09/05/12	65.7	<0.18	<0.24	<0.21	2.3 J	22	NP	4.79	0.00	31.61	26.82
MONITORING WELL #RW-1											
	Screen Interval = 5 to 20 feet						Casing Diameter = 4 inches				
01/09/92	-	-	-	-	-	-	NP	14.00	0.00	-	-
04/13/92	-	-	-	-	-	-	NP	14.00	0.00	-	-
10/05/92	-	-	-	-	-	-	NP	15.05	0.00	-	-
01/06/93	-	-	-	-	-	-	NP	5.43	0.00	-	-
04/26/93	-	-	-	-	-	-	NP	13.20	0.00	-	-
01/04/94	-	-	-	-	-	-	NP	14.30	0.00	-	-
04/05/94	-	-	-	-	-	-	NP	14.13	0.00	-	-
01/08/96	-	-	-	-	-	-	NP	14.22	0.00	-	-
04/08/96	-	-	-	-	-	-	NP	14.33	0.00	-	-
07/22/96	8,100	530	84	120	860	-	NP	14.27	0.00	-	-
10/16/96	-	-	-	-	-	-	NP	13.10	0.00	-	-
01/22/97	-	-	-	-	-	-	NP	16.97	0.00	-	-
10/07/97	-	-	-	-	-	-	NP	14.20	0.00	-	-
01/15/98	-	-	-	-	-	-	NP	15.60	0.00	-	-
04/23/98	81,000	0.72	1.4	3.2	5.7	270,000	NP	14.20	0.00	-	-
07/20/98	-	-	-	-	-	-	NP	14.30	0.00	-	-
10/14/98	-	-	-	-	-	-	NP	11.20	0.00	-	-
01/21/99	-	-	-	-	-	-	NP	-	-	-	-
04/15/99	-	-	-	-	-	-	NP	13.10	0.00	-	-
07/26/99	4,400	<3.0	<3.0	<3.0	<5.0	*6,800 / 9,000	NP	13.83	0.00	-	-
10/13/99	-	-	-	-	-	-	NP	-	-	-	-
01/20/00	-	-	-	-	-	-	NP	13.22	0.00	-	-
04/05/00	-	-	-	-	-	-	NP	-	-	-	-
07/19/00	-	-	-	-	-	-	NP	13.25	0.00	-	-
10/18/00	-	-	-	-	-	-	NP	11.14	0.00	-	-
01/17/01	-	-	-	-	-	-	NP	11.12	0.00	-	-
04/19/01	-	-	-	-	-	-	-	-	-	-	-
07/18/01	-	-	-	-	-	-	NP	11.20	0.00	-	-
10/10/01	-	-	-	-	-	-	NP	11.20	0.00	-	-
01/30/02	-	-	-	-	-	-	NP	12.30	0.00	-	-
04/17/02	-	-	-	-	-	-	NP	14.30	0.00	-	-
07/31/02	-	-	-	-	-	-	NP	14.21	0.00	-	-
11/14/02	-	-	-	-	-	-	NP	14.13	0.00	-	-
01/29/03	-	-	-	-	-	-	NP	13.12	0.00	-	-

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (µg/L)	BENZENE (µg/L)	TOLUENE (µg/L)	EthylBenzene (µg/L)	XYLENE (µg/L)	MTBE (µg/L)					
04/23/03	-	-	-	-	-	-	-	-	-	-	-
07/10/03	-	-	-	-	-	-	-	No Access	-	-	-
10/20/03	-	-	-	-	-	-	-	No Access	-	-	-
WELL ABANDONED 01/2004											
MONITORING WELL #RW-1R											
Screen Interval = 5 to 20 feet											
02/03/04	-	-	-	-	-	-	-	-	-	-	-
04/08/04	6,740	42	32 J	<3.1	1,160	239	-	-	-	-	-
07/21/04	118	<0.22	<0.32	<0.31	<0.4	107	NP	4.76	0.00	-	-
10/20/04	29,900	3,850	4,010	381	1,920	103	NP	6.85	0.00	-	-
01/19/05	13,400	272	243	24 J	2,230	2,110	NP	4.28	0.00	-	-
04/20/05	1,220	<0.22	<0.32	<0.31	<0.4	1,580	NP	4.54	0.00	-	-
07/07/05	6,490	410	74	84	620	2,560	-	-	-	-	-
07/20/05	4,900	133	52	<2.4	750	465	NP	6.32	0.00	-	-
10/19/05	572	<0.32	<0.10	<0.24	<0.30	417	NP	5.68	0.00	-	-
01/24/06	14,500	192	1,150	342	2,980	432	NP	4.78	0.00	-	-
04/19/06	7,430	94	411	<2.4	1,820	571	NP	4.94	0.00	-	-
07/19/06	5,020	55	17 J	<2.4	457	636	NP	7.10	0.00	-	-
09/15/06	-	-	-	-	-	-	-	-	-	-	-
10/18/06	41,500	63	4,710	1,510	6,390	343	NP	6.06	0.00	-	-
01/17/07	164,000	249	25,300	6,040	35,200	217	NP	6.83	0.00	-	-
04/18/07	13,000	<16	2,230	121 J	5,070	92	NP	7.22	0.00	30.59	23.76
07/18/07	3,930	90	64	291	437	117	NP	5.76	0.00	30.59	23.37
10/17/07	993	<0.18	22	4.7 J	85	108	NP	4.93	0.00	30.59	24.83
01/16/08	1,990	14	5.6	33	99	108	NP	4.56	0.00	30.59	25.66
04/22/08	22,400	330	2,350	517	3,250	15	NP	7.23	0.00	30.59	26.03
07/16/08	5,140	35	315	94	761	3.0	NP	5.65	0.00	30.59	23.36
10/15/08	2,430	71	3.5 J	<0.21	35	179	NP	4.55	0.00	30.59	24.94
01/21/09	75	<0.18	<0.24	<0.21	<0.45	128	NP	4.57	0.00	30.59	26.04
04/15/09	2,740	33	395	89	514	61	NP	4.56	0.00	30.59	26.02
10/21/09	16,400	124	920	358	2,250	5.1	NP	4.30	0.00	30.59	26.03
04/21/10	1,570	18	<1.2	<1.05	276	24	NP	3.92	0.00	30.59	26.29
10/20/10	49,000	425	7,260	2,700	15,900	<19.0	NP	4.55	0.00	30.59	26.67
01/19/11	8,420	180	1,390	158	1,270	<1.9	NP	4.53	0.00	30.59	26.04
03/16/12	1,420	2.2	<0.24	27	64	3.4	NP	3.09	0.00	30.59	26.06
06/06/12	1,050	15	<0.24	16	18	32	NP	4.45	0.00	30.59	27.50
09/05/12	186	2.1	<0.24	<0.21	<0.45	5.6	NP	4.57	0.00	30.59	26.14
<p>NOTE: * MTBE 8020 / 8260 ND = Nondetectable NP = No free hydrocarbon product "- " = Not analyzed / Not available J = Flag indicating value between MDL and PQL</p> <p align="right">Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020. Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260 On 7/21/04, 4/08/04, 7/10/03 & 11/14/02, BTEX and MTBE done by 8260B</p>											

**TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
MONITORING WELL # MW-1						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	12	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	<2.8	<100	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-
03/16/12	<0.2	<0.23	<0.19	18	-	-
06/06/12	<0.2	<0.23	<0.19	<5.2	<0.100	-
09/05/12	<0.2	<0.23	<0.19	<5.2	<0.100	-
MONITORING WELL #MW-2						
11/14/02	<2.0	<1.2	111	341	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	59	449	-	-
10/20/03	-	-	-	-	-	-
WELL ABANDONED 01/2004						
MONITORING WELL #MW-2R						
02/03/04	<0.29	<0.17	76	1,610	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	37	1,130	-	-
07/20/05	<0.29	<0.17	95	151	<20	<20
10/19/05	<0.29	<0.17	13	33	<20	<20
01/24/06	<0.29	<0.17	<0.28	42	<20	<20
04/19/06	<5.8	<3.4	<5.6	<200	<20	<20
07/19/06	<2.9	<1.7	68	113	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<2.9	<1.7	<2.8	174.0	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<0.29	<0.17	5.2	122.0	-	-
07/18/07	<0.20	<0.23	<0.19	39	-	-
10/17/07	<0.20	<0.23	11	119	-	-
01/16/08	<0.20	<0.23	2.9	<10	-	-
04/22/08	<20	<23	<19	<1,000	-	-

**TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
07/16/08	<0.20	<0.23	<0.19	9.5 J	-	-
10/15/08	<0.20	<0.23	25	151	-	-
01/21/09	<0.20	<0.23	1.6	<5.2	-	-
04/15/09	<2.0	<2.3	<1.9	<62.0	-	-
10/21/09	<2.0	<2.3	<1.9	<52.0	9.66	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	1.4	21	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-
03/16/12	<0.2	<0.23	<0.19	32	-	-
06/06/12	<0.2	<0.23	<0.19	<5.2	<0.100	-
09/05/12	<0.2	<0.23	4.8	27	<0.100	-
MONITORING WELL # MW-3						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	173	128	-	-
09/15/06	<0.29	<0.17	38	<10	-	-
10/18/06	<0.29	<0.17	2.8	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	18	-	-
07/18/07	<0.20	<0.23	<0.19	11	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	10	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	12	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-
03/16/12	<0.2	<0.23	<0.19	140	-	-
06/06/12	<1	<1.15	<0.95	100	<0.500	-
09/05/12	<0.2	<0.23	<0.19	63	<0.100	-
MONITORING WELL # MW-4						
11/14/02	<2.0	<1.2	106	281	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<2.9	<1.7	35	<100	-	-
10/20/03	-	-	-	-	-	-
WELL ABANDONED 01/2004						
MONITORING WELL # MW-4R						
02/03/04	<0.29	<0.17	209	1,350	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	57	167	-	-

**TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
07/20/05	<0.29	<0.17	<0.28	369	<20	<20
10/19/05	<0.29	<0.17	39	335	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<2.9	<1.7	36	231	<20	<20
07/19/06	<2.9	<1.7	<2.8	<100	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<29	<17	<28	<1000	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<14.5	<8.5	<14	<500	-	-
07/18/07	<0.20	<0.23	<0.19	20	-	-
10/17/07	<0.20	<0.23	3.9	89	-	-
01/16/08	<0.20	<0.23	<0.19	25	-	-
04/22/08	<2.0	<2.3	<1.9	<100	-	-
07/16/08	<0.20	<0.23	<0.19	18	-	-
10/15/08	<0.20	<0.23	<0.19	23	-	-
01/21/09	<0.20	<0.23	2.6	51	-	-
04/15/09	<20	<23	<19	<520	-	-
10/21/09	<2.0	<2.3	<1.9	<52.0	25.4	-
04/21/10	<1.0	<1.15	<0.95	<26.0	-	-
10/20/10	<4.0	<4.6	<3.8	<104.0	-	-
01/19/11	<4.0	<4.6	<3.8	<104.0	-	-
03/16/12	<0.2	<0.23	<0.19	<5.2	-	-
06/06/12	<0.2	<0.23	<0.19	77	<0.100	-
09/05/12	<0.2	<0.23	1.3	<5.2	<0.100	-

MONITORING WELL # MW-5

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	1.4	<10	<20	<20
01/24/06	<0.29	<0.17	1.2	19	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<0.29	<0.17	<0.28	<10	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-
03/16/12	<0.2	<0.23	<0.19	<5.2	-	-
06/06/12	<0.2	<0.23	<0.19	<5.2	9.300	-
09/05/12	<2.0	<2.3	<1.9	<52.0	6.2	-

MONITORING WELL # MW-6

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-

**TABLE 2
 ADDITIONAL GROUNDWATER DATA
 THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
07/10/03	<0.29	<0.17	2.1	38	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	13	<20	<20
07/19/06	<0.29	<0.17	<0.28	<10	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/16/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-
03/16/12	<0.2	<0.23	<0.19	<5.2	-	-
06/06/12	<20	<23	<19	<520	51.000	-
09/05/12	<0.2	<0.23	<0.19	<5.2	<0.100	-

MONITORING WELL # MW-7

11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
07/10/03	<0.29	<0.17	<0.28	<10	-	-
10/20/03	-	-	-	-	-	-
01/14/04	-	-	-	-	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	<0.28	<10	<20	<20
01/24/06	<0.29	<0.17	<0.28	<10	<20	<20
04/19/06	<0.29	<0.17	<0.28	<10	<20	<20
07/19/06	<2.9	<1.7	25	216	-	-
09/15/06	<0.29	<0.17	<0.28	<10	-	-
10/18/06	<0.29	<0.17	<0.28	<10	-	-
01/17/07	<0.29	<0.17	<0.28	<10	-	-
04/18/07	<0.29	<0.17	<0.28	<10	-	-
07/18/07	<0.20	<0.23	<0.19	<10	-	-
10/17/07	<0.20	<0.23	<0.19	<10	-	-
01/06/08	<0.20	<0.23	<0.19	<10	-	-
04/22/08	<0.20	<0.23	<0.19	<10	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	<5.2	-	-
01/21/09	<0.20	<0.23	<0.19	<5.2	-	-
04/15/09	<0.20	<0.23	<0.19	<5.2	-	-
10/21/09	<0.20	<0.23	<0.19	<5.2	<0.1	-
04/21/10	<0.20	<0.23	<0.19	<5.2	-	-
10/20/10	<0.20	<0.23	<0.19	<5.2	-	-
01/19/11	<0.20	<0.23	<0.19	<5.2	-	-

**TABLE 2
ADDITIONAL GROUNDWATER DATA
THRIFTY OIL STATION # 049, OAKLAND, CA.**

DATE SAMPLED	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (mg/L)	Methanol (mg/L)
03/16/12	<0.2	<0.23	<0.19	<5.2	-	-
06/06/12	<0.2	<0.23	<0.19	<5.2	<0.100	-
09/05/12	<0.2	<0.23	4.0	51	<0.100	-
MONITORING WELL # RW-1R						
02/03/04	<0.29	<0.17	53	1,370	-	-
04/08/04	-	-	-	-	-	-
07/21/04	-	-	-	-	-	-
10/20/04	-	-	-	-	-	-
01/19/05	-	-	-	-	-	-
04/20/05	-	-	-	-	-	-
07/07/05	<0.29	<0.17	71	1,740	-	-
07/20/05	<0.29	<0.17	<0.28	<10	<20	<20
10/19/05	<0.29	<0.17	9.6	65	<20	<20
01/24/06	<2.9	<1.7	<2.8	156	<20	<20
04/19/06	<2.9	<1.7	11	206	<20	<20
07/19/06	<2.9	<1.7	<2.8	217	-	-
09/15/06	-	-	-	-	-	-
10/18/06	<2.9	<1.7	<2.8	209	-	-
01/17/07	<58	<34	<52	<2000	-	-
04/18/07	<14.5	<8.5	<14	<500	-	-
07/18/07	<2.0	<2.3	<1.9	<100	-	-
10/17/07	<0.20	<0.23	<0.19	81	-	-
01/16/08	<0.20	<0.23	<0.19	31	-	-
04/22/08	<2.0	<2.3	<1.9	<100	-	-
07/16/08	<0.20	<0.23	<0.19	<5.2	-	-
10/15/08	<0.20	<0.23	<0.19	31	-	-
01/21/09	<0.20	<0.23	1.6	14	-	-
04/15/09	<2.0	<2.3	<1.9	<52.0	-	-
10/21/09	<1.0	<1.15	<0.95	<26.0	10.6	-
04/21/10	<1.0	<1.15	<0.95	<26.0	-	-
10/20/10	<20.0	<23.0	<19.0	<520.0	-	-
01/19/11	<2.0	<2.3	<1.9	<52.0	-	-
03/16/12	<0.2	<0.23	<0.19	11	-	-
06/06/12	<0.2	<0.23	<0.19	<5.2	<0.100	-
09/05/12	<0.2	<0.23	<0.19	<5.2	<0.100	-

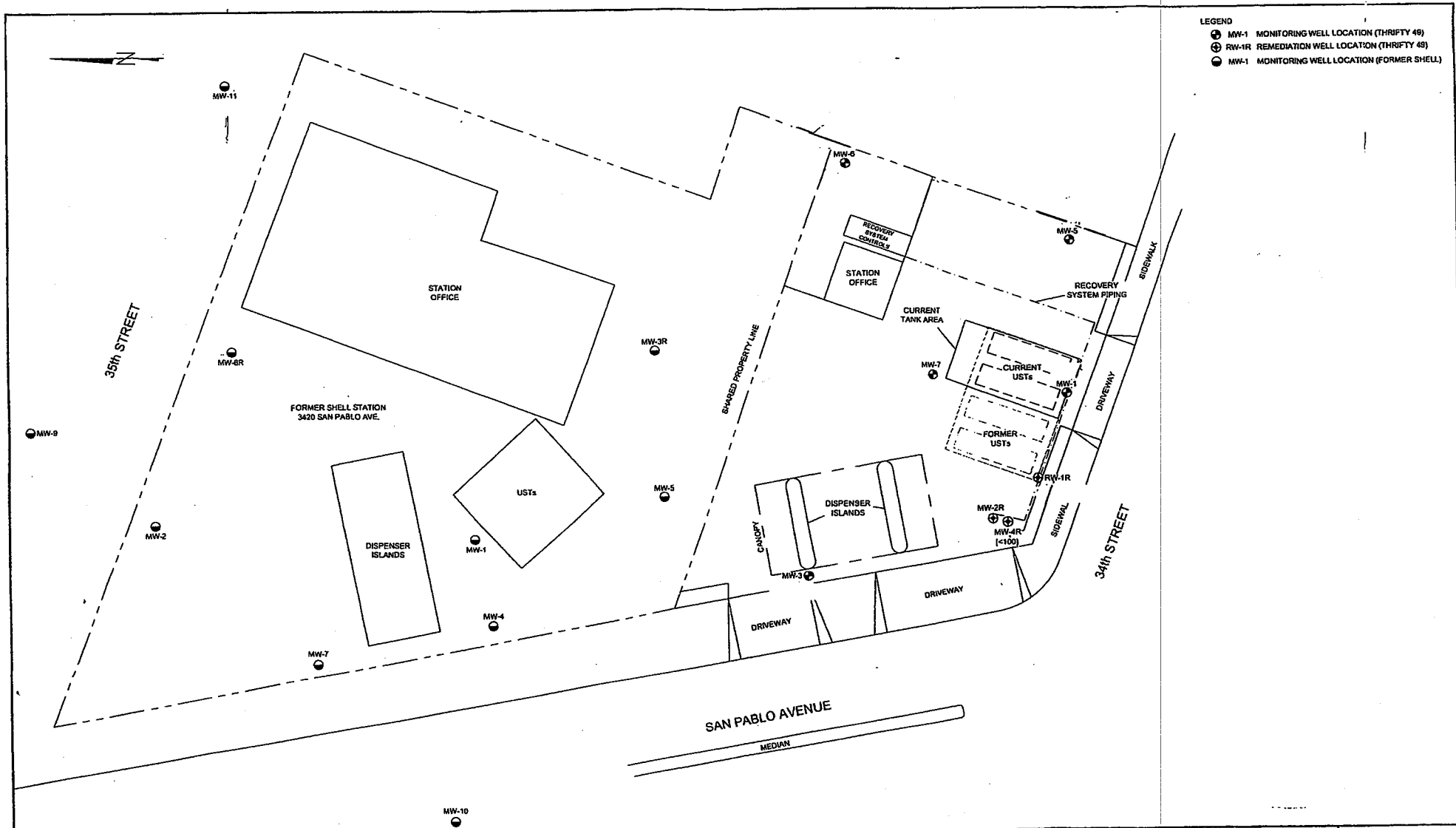
NOTE:

ug/L = micrograms per liter
 mg/L = milligrams per liter
 DIPE = di-isopropyl ether
 ETBE = ethyl tertbutyl ether
 TAME = tert amylmethylether
 TBA = tertiary butyl alcohol

Analysis:

DIPE, ETBE, TAME, TBA analyzed by EPA Method 8260B

FIGURES



- LEGEND
- MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 - ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 - MW-1 MONITORING WELL LOCATION (FORMER SHELL)

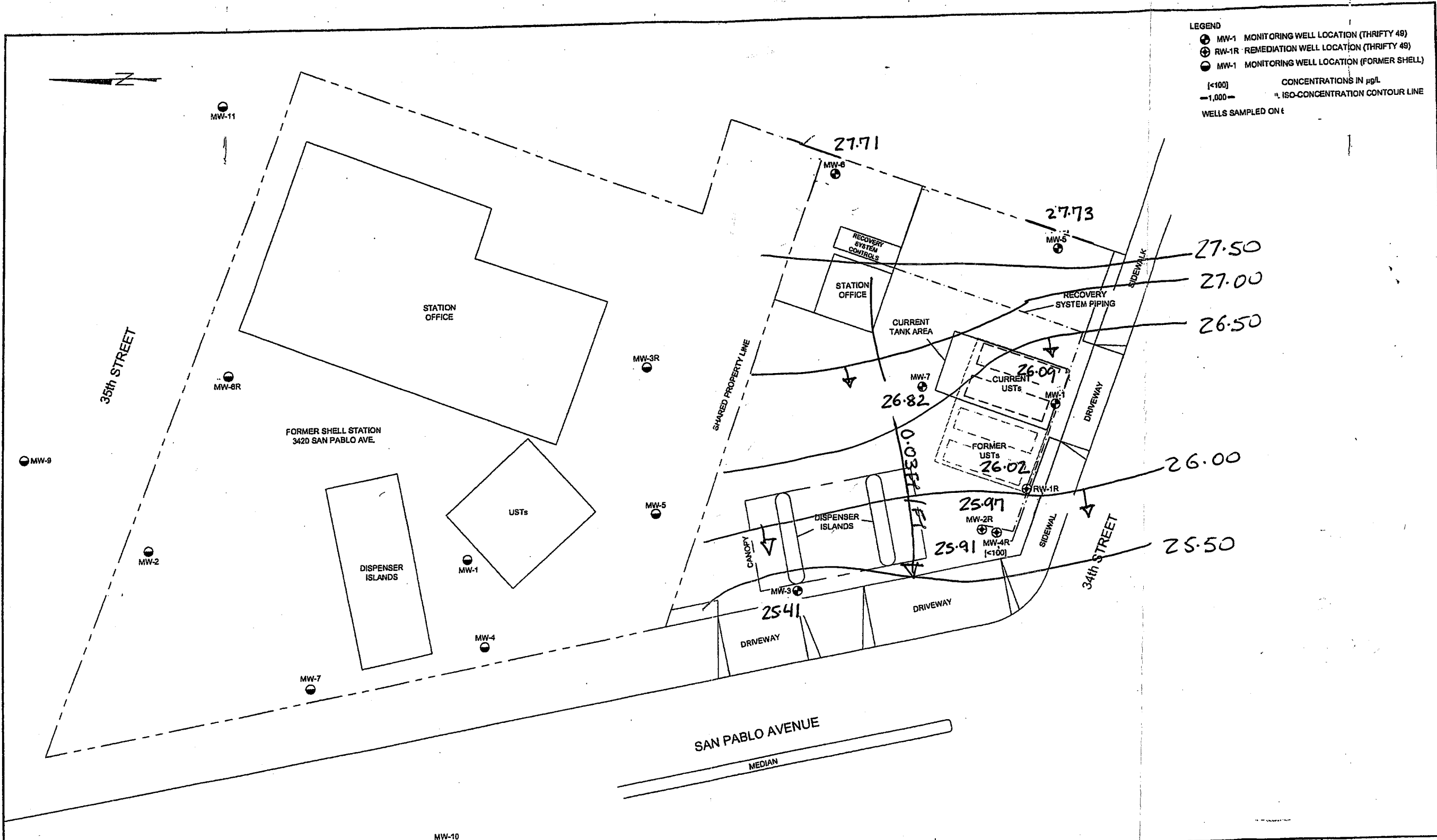
STRATUS
ENVIRONMENTAL, INC.



THRIFTY OIL CO. NO. 49
3400 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

FIGURE
1
PROJECT NO.
2150-0049-01

LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ● MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 [<100] CONCENTRATIONS IN µg/L
 -1,000- ISO-CONCENTRATION CONTOUR LINE
 WELLS SAMPLED ON 6



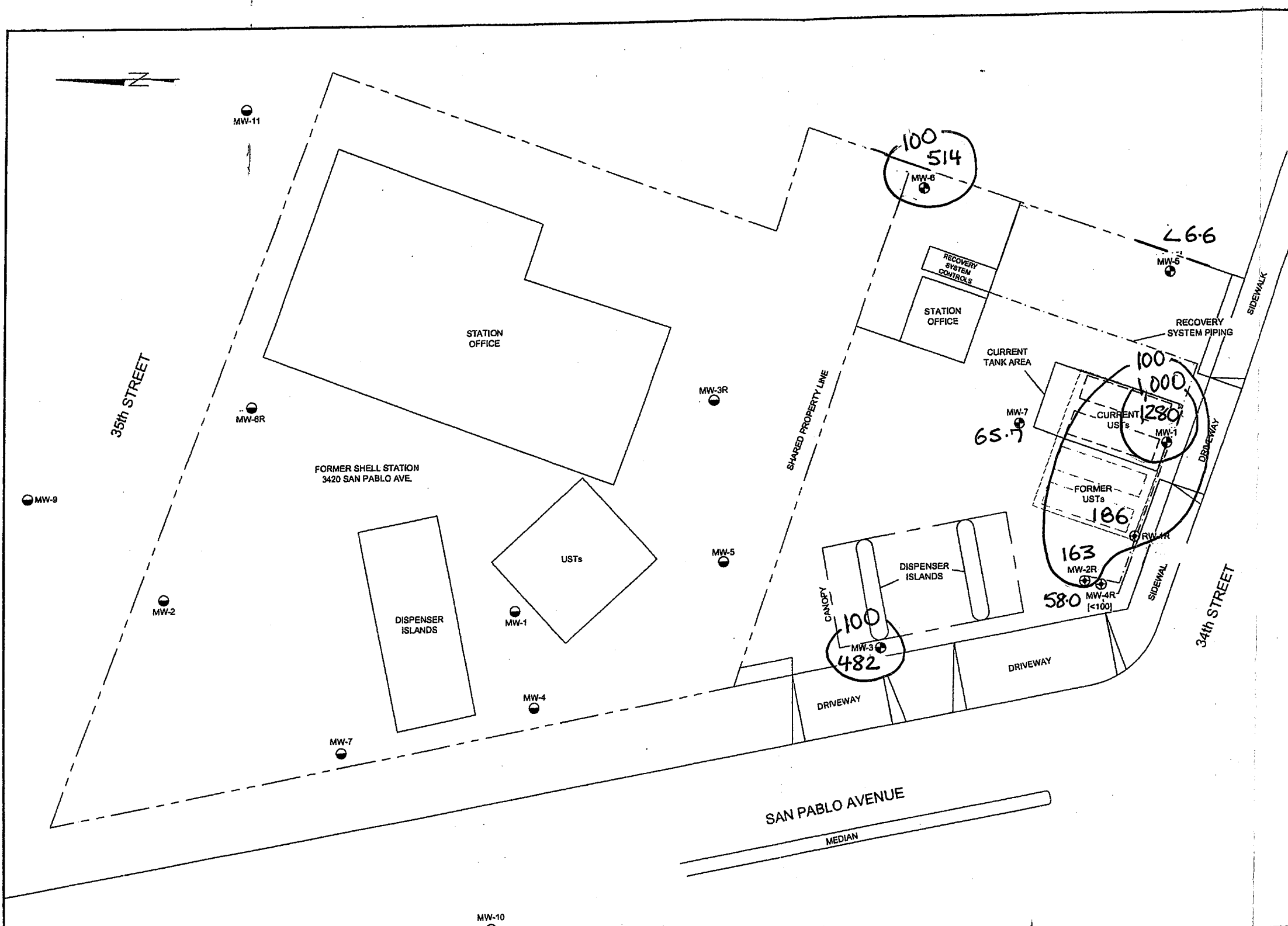
STRATUS ENVIRONMENTAL, INC.



THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA
 GROUNDWATER CONTOUR MAP

FIGURE
 2
 PROJECT NO.
 2150-0049-01

LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ○ MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 514 TPHG CONCENTRATIONS IN µg/L
 -1,000- TPHG ISO-CONCENTRATION CONTOUR LINE
 WELLS SAMPLED ON 9-5-12



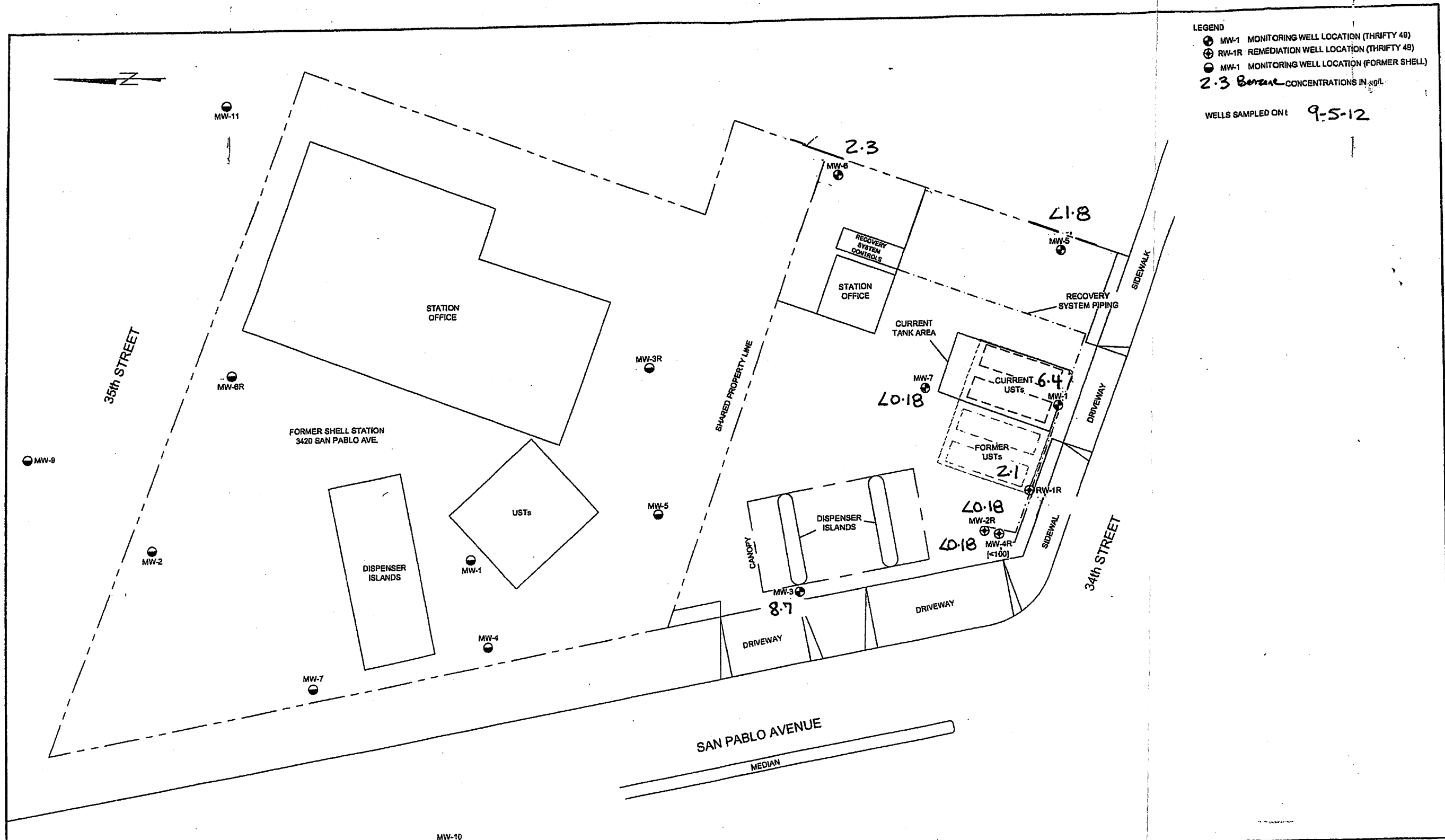
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THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA

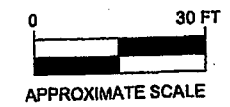
TPHG ISO-CONCENTRATION CONTOUR MAP
 3RD QUARTER 2012

FIGURE
 3
 PROJECT NO.
 2150-0049-01



LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ● MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 2.3 Benzene CONCENTRATIONS IN µg/L
 WELLS SAMPLED ON 9-5-12

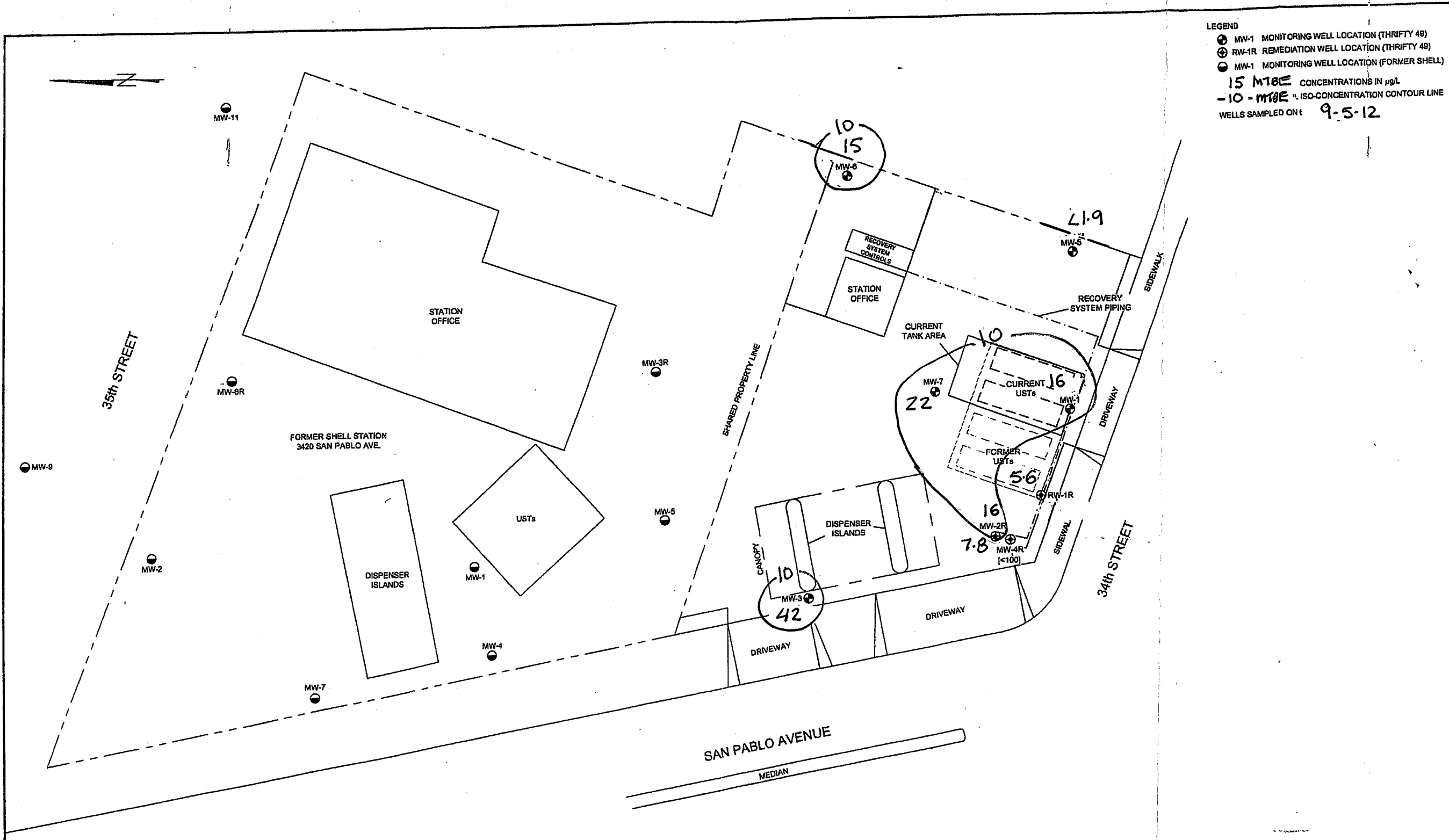
STRATUS ENVIRONMENTAL, INC.



THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA
 BENZENE ISO-CONCENTRATION CONTOUR MAP
 3RD QUARTER 2012

FIGURE 4
 PROJECT NO. 2150-0049-01

LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 48)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ○ MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 15 MTBE CONCENTRATIONS IN µg/L
 -10-MTBE ISO-CONCENTRATION CONTOUR LINE
 WELLS SAMPLED ON 9-5-12



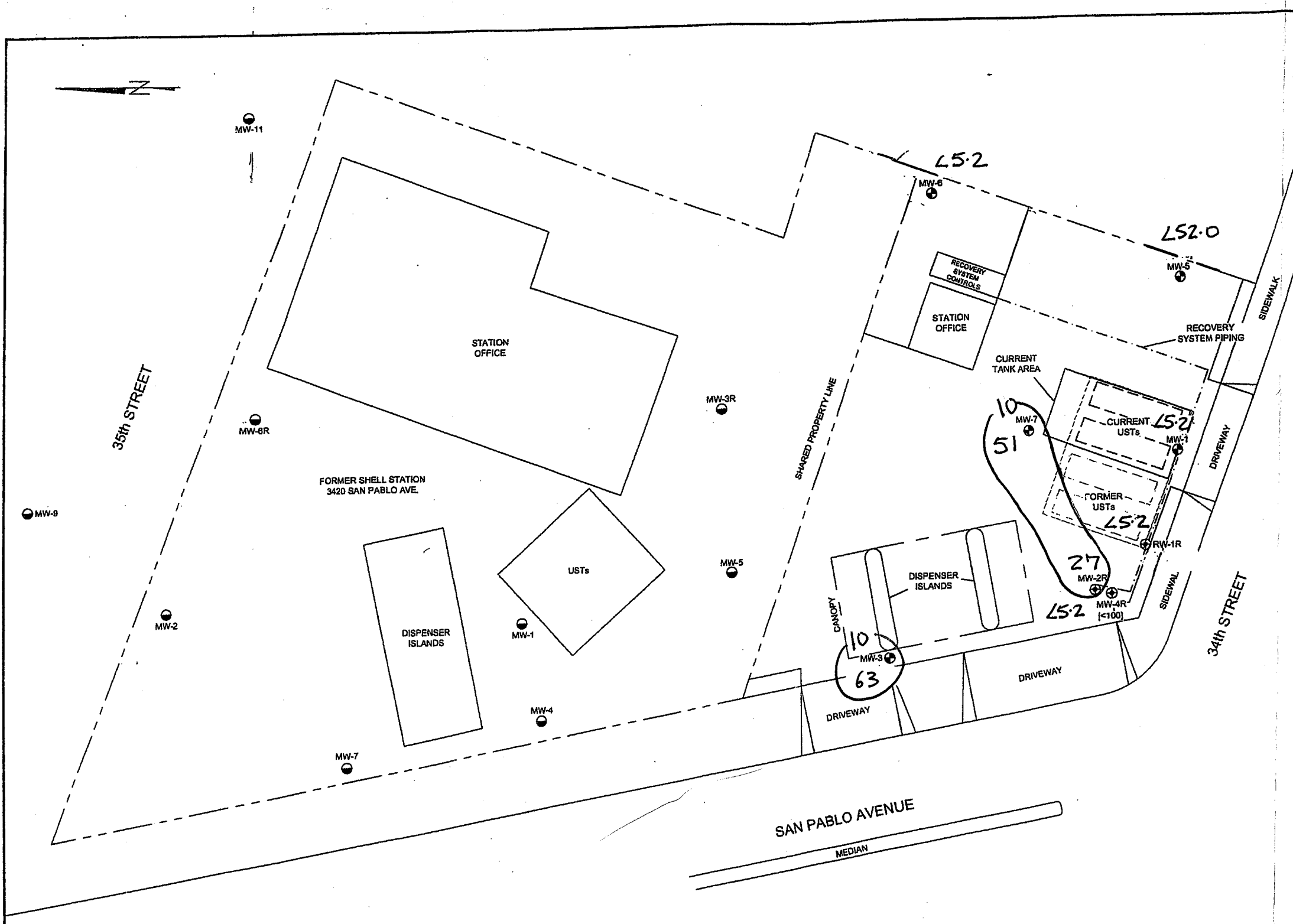
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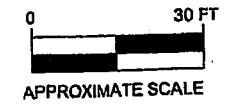
THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA
 MTBE ISO-CONCENTRATION CONTOUR MAP
 3RD QUARTER 2012

FIGURE 5
 PROJECT NO. 2150-0049-01

LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ● MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 27 T&A CONCENTRATIONS IN µg/L
 -10- T&A ISO-CONCENTRATION CONTOUR LINE
 WELLS SAMPLED ON: 9-5-12

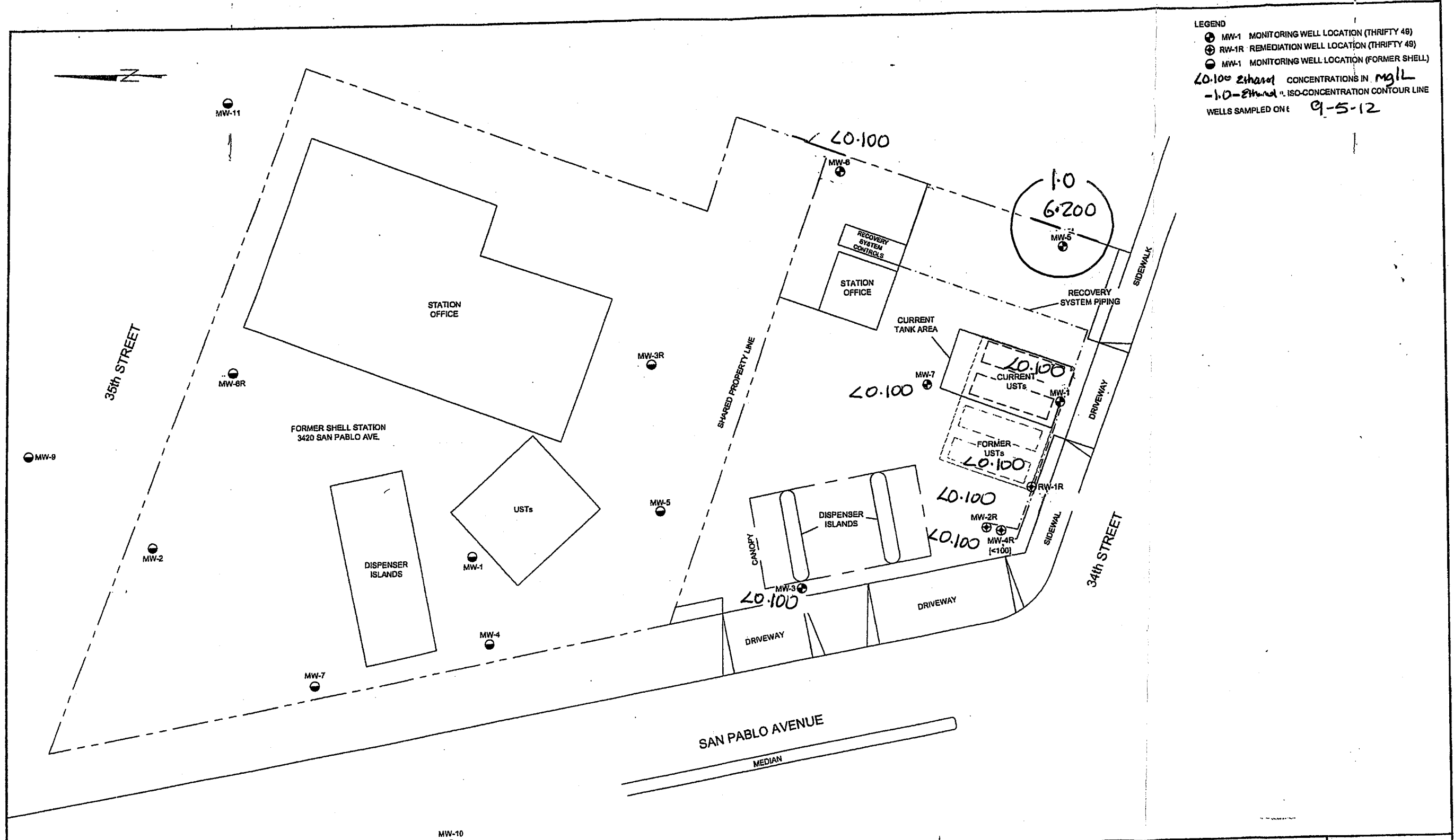


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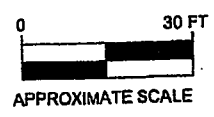
THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA
 T&A ISO-CONCENTRATION CONTOUR MAP
 3RD QUARTER 2012

FIGURE
 6
 PROJECT NO.
 2150-0049-01



LEGEND
 ● MW-1 MONITORING WELL LOCATION (THRIFTY 49)
 ⊕ RW-1R REMEDIATION WELL LOCATION (THRIFTY 49)
 ● MW-1 MONITORING WELL LOCATION (FORMER SHELL)
 0.100 ethanol CONCENTRATIONS IN mg/L
 -1.0-ethanol ISO-CONCENTRATION CONTOUR LINE
 WELLS SAMPLED ON 9-5-12

STRATUS
 ENVIRONMENTAL, INC.



THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA
ETHANOL ISO-CONCENTRATION CONTOUR MAP
 3RD QUARTER 2012

FIGURE
 7
 PROJECT NO.
 2150-0049-01

APPENDIX A



PROJECT STATUS REPORT

SITE: THRIFTY OIL CO. #049
 ADDRESS: 3400 SAN PABLO AVE.
OAKLAND, CA.94612
 DATE: 09-05-2012
 PERSONNEL: SFRBATA P.

WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL)		COMMENT
							EST.	ACT.	
<i>MONTHLY/QUARTERLY</i>									
1 MW-1		5.46	17.77		12.31	2"	6	10	
2 MW-2R		4.62	16.79		12.27	4"	24	30	
3 MW-3		5.74	24.14		18.40	2"	9	10	
4 MW-4R		4.32	19.64		15.32	4"	30	30	
5 MW-5		4.57	13.74		9.17	2"	5	5	
6 MW-6		5.43	13.02		7.58	2"	4	5	
7 MW-7		4.79	13.55		8.76	4"	17	20	
8 RW-1R		4.57	19.08		14.51	4"	28	30	

FREE PRODUCT REMOVED: APPROX. 0 GALLONS PURGE-WATER REMOVED: APPROX. 140 GALLONS

REMARKS: MONITORING WELLS AND AFTER PURGE TAKE
WATER SAMPLING FROM 8 WELLS

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

REV: 6/30/2004

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **TOC# 049** Location: **3400 SAN PABLO AVE, ORIZABA 94612** Well ID#: **MW-2R**

GAUGING DATA

(circle well diameter)

Date: **09.05.2012** Time: **6:45 AM** by: **S FERDIN**

Total Well Depth (ft): **16.79** Depth To Product (ft): _____

Depth To Water (ft): **4.52** Product Thickness (ft): _____

Water Column (ft): **12.27**

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

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.6
Borehole vol	0.40	0.77	1.51	2.57	7.7

Multipliers for purge volume estimation: **12.27 x 1.96 = 24**

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

Estimated Purge Volume (gal): **24**

water column multiplier est. volume

PURGING DATA

Purge Start Time: **9:15 AM** Purge Method: **BAILER** pH/Temp/Cond: **HANNA** by: _____

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond μS	Turbidity	Observations
9:21	6	6	70.3	5.86	1320	CLEAR	
9:27	6	6	70.1	5.93	1340	CLEAR	
9:33	6	6	70.4	5.96	1330	CLEAR	
9:39	6	6	70.1	5.93	1320	CLEAR	
9:45	6	6	70.3	5.93	1310	CLEAR	

DTW immed. after purge (ft): **4.70** Actual purged volume (gal): **30** Avg Purge Rate (gpm): **1**

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(12.27) \times 0.20 + (4.52)] = 6.97$ ft

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

Water Column DTW initial DTW initial DTW initial

SAMPLING DATA

DTW (ft) before sampling: **7.02** Date: **09.05.12** Time: **11:40 AM** Temp: _____ pH: _____ D.O.: _____ ORP: _____ by: _____

Sampling Method: Disposable Bailer _____ Notes: _____

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: TOC# 049	Location: 3400 SAN PABLO AVE, OAKLAND CA 94612	Well ID# MW-3
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GAUGING DATA

Date: **09-05-2012** Time: **7:00 AM** by: **SFRD/STY**

Total Well Depth (ft): **24.14** Depth To Product (ft): _____

Depth To Water (ft): **5.74** Product Thickness (ft): _____

Water Column (ft): **18.40**

Purge Vol Calculation: Casing Vol. Borehole Vol. (SD) **18.40 x 0.49 = 9**

Estimated Purge Volume (gal): **9**

(circle well diameter)

Well Dia	1"	2"	4"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.6
Borehole Vol	0.40	0.77	1.51	2.57	7.7

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

water column multiplier est. volume

PURGING DATA

Purge Start Time: **10:00 AM** Purge Method: _____ pH/Temp/Cond: _____ by: _____

Time (hh:mm) (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:02 2	2	70.3	6.01	1340	CLEAR	
10:04 2	2	70.2	6.04	1390	CLEAR	
10:06 2	2	70.1	6.06	1320	CLEAR	
10:08 2	2	70.0	6.04	1320	CLEAR	
10:10 2	2	70.3	6.03	1360	CLEAR	

DTW immed. after purge (ft): **5.85** Actual purged volume (gal): **10** Avg Purge Rate (gpm): **1**

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(18.40) \times 0.20 + (5.74)] = 9.42$ ft

Water Column DTW initial

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

DTW after purge DTW initial DTW initial

SAMPLING DATA

DTW (ft) before sampling: 10.06	Date: 09.05.12	Time: 11:50	Temp: _____	pH: _____	D.O.: _____	ORP: _____	by: _____
Sampling Method: <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> _____	Notes: _____						

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **TOC# 049** Location: **3400 SAMPABLO AVE, OAKLAND 94612** Well ID# **MW-4R**

GAUGING DATA

(circle well diameter)

Date: **09.05.2012** Time: **7:15 AM** by: _____

Total Well Depth (ft): **19.64** Depth To Product (ft): _____

Depth To Water (ft): **4.32** Product Thickness (ft): _____

Water Column (ft): **15.32** Purge Vol Calculation: Casing Vol. Borehole Vol. (SD)

Well Dia	1"	2"	3"	6"	12"
3 Casing Vol	0.12	0.49	1.96	4.40	17.6
Borehole Vol	0.40	0.77	1.51	2.57	7.71

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

Estimated Purge Volume (gal): **15.32 x 1.96 = 30**

water column multiplier est. volume

PURGING DATA

Purge Start Time: **10:25 AM** Purge Method: **BAILED** pH/Temp/Cond: **H A H H A** by: _____

Time (hh:mm)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:31 6	6	69.8	5.93	1150	CLEAR	
10:37 6	6	70.3	5.90	1170	CLEAR	
10:43 6	6	70.1	5.94	1160	CLEAR	
10:49 6	6	70.4	5.96	1160	CLEAR	
10:55 6	6	70.3	5.94	1170	CLEAR	

DTW immed. after purge (ft): _____ Actual purged volume (gal): **30** Avg Purge Rate (gpm): _____

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[15.32] \times 0.20 + [4.32] = 7.38$ ft

Water Column DTW initial

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

DTW after purge DTW initial DTW initial

SAMPLING DATA

DTW (ft) before sampling: **7.06** Date: **09.05.12** Time: **12:30** Temp: _____ pH: _____ D.O.: _____ ORP: _____ by: _____

Sampling Method: Disposable Bailer _____ Notes: _____

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: TOC# 049	Location: 3400 SAN PABLO AVE, OAKLAND 94612	Well ID# MW-5
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GAUGING DATA

(circle well diameter)

Date: 09.05.2012 Time: 7:30 AM by: SFB/BJH		Multipliers for purge volume estimation: <small>Note for borehole volume, add 1/2 BH vol for each subsequent passes</small>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Well Dia</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table>					Well Dia	1"	2"	4"	6"	12"	3 Casing Vol	0.12	0.49	1.96	4.40	17.62	Borehole Vol	0.40	0.77	1.51	2.57	7.71
Well Dia	1"		2"	4"	6"	12"																			
3 Casing Vol	0.12	0.49	1.96	4.40	17.62																				
Borehole Vol	0.40	0.77	1.51	2.57	7.71																				
Total Well Depth (ft): 13.74	Depth To Product (ft): —	Estimated Purge Volume (gal): $9.17 \times 0.49 = 5$ <small>water column multiplier est. volume</small>																							
Depth To Water (ft): 4.57	Product Thickness (ft): —																								
Water Column (ft): 9.17	Purge Vol Calculation: <input checked="" type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)																								

PURGING DATA

Purge Start Time: 10:40 AM		Purge Method: BRIWER		pH/Temp/Cond: HAHHH		by:	
Time <small>(hh:mm) (min)</small>	Volume removed <small>(gallons)</small>	Temp <small>°F or °C</small>	pH	Cond <small>µS</small>	Turbidity	Observations	
10:41 1	1	70.3	6.01	1320	CLEAR		
10:42 1	1	70.1	5.93	1320	CLEAR		
10:43 1	1	69.7	5.92	1290	CLEAR		
10:44 1	1	69.6	5.90	1280	CLEAR		
10:45 1	1	69.9	5.93	1280	CLEAR		
DTW immed. after purge (ft): 4.62		Actual purged volume (gal): 5			Avg Purge Rate (gpm): 1		

RECOVERY CALCULATION

Method:	<input type="checkbox"/> Total Well Depth:	80% Recovery = $[9.17] \times 0.20 + [4.57] = 6.40$ ft
		<small>Water Column DTW initial</small>
	<input type="checkbox"/> Max Drawdown (SD):	80% Recovery = $([] - []) \times 0.20 + [] =$ ft
		<small>DTW after purge DTW initial DTW initial</small>

SAMPLING DATA

DTW (ft) before sampling: 6.10	Date: 09.05.12	Time: 12:40	Temp	pH	D.O.	ORP	by
Sampling Method: <input checked="" type="checkbox"/> Disposable Bailer	Notes:						

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments: _____



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: TOC# 049	Location: 3400 SAN PABLO AVE, OAKLAND 94612	Well ID# MW-6
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GAUGING DATA

Date: **09.05.2012** Time: **7:50AM** by: _____

Total Well Depth (ft): **13.02** Depth To Product (ft): _____

Depth To Water (ft): **5.43** Product Thickness (ft): _____

Water Column (ft): **7.58**

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

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

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

Estimated Purge Volume (gal):
 $7.58 \times 0.49 = 4$
water column multiplier est. volume

PURGING DATA

Purge Start Time: 10:50AM		Purge Method: BALLOON		pH/Temp/Cond: HANNA		by: _____	
Time <small>(hh:mm) (min)</small>	Volume removed <small>(gallons)</small>	Temp <small>°F or °C</small>	pH	Cond <small>µS</small>	Turbidity	Observations	
10:51	1	20.2	5.20	1310	CLEAR		
10:52	1	20.4	5.86	1270	CLEAR		
10:53	1	20.6	5.93	1290	CLEAR		
10:54	1	20.4	5.80	1320	CLEAR		
10:55	1	20.3	5.83	1320	CLEAR		
DTW immed. after purge (ft): 5.46		Actual purged volume (gal): 5			Avg Purge Rate (gpm): 1		

RECOVERY CALCULATION

Method: Total Well Depth: $80\% \text{ Recovery} = [\text{Water Column}] \times 0.20 + [\text{DTW initial}] = \underline{6.94} \text{ ft}$

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

SAMPLING DATA

DTW (ft) before sampling: 7.11	Date: 09.05.12	Time: 13:00 PM	Temp	pH	D.O.	ORP	by
Sampling Method: <input checked="" type="checkbox"/> Disposable Bailor	Notes:						

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments:



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **TOC# 049** Location: **3400 SAN PABLO AVENUE, OAKLAND 94612** Well ID# **MW-7**

GAUGING DATA

(circle well diameter)

Date: **09-05-2012** Time: **8:15 AM** by: **SERRAVALLO**

Total Well Depth (ft): **13.55** Depth To Product (ft): _____
 Depth To Water (ft): **4.79** Product Thickness (ft): _____
 Water Column (ft): **8.76**

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): **8.76 x 1.96 = 17**
water column multiplier est. volume

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

PURGING DATA

Purge Start Time: **11:10 AM** Purge Method: **Borehole** pH/Temp/Cond: **11/11/11** by: _____

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
11:14	4	4	69.3	5.98	1230	CLEAR	
11:18	4	4	69.7	6.04	1210	CLEAR	
11:22	4	4	70.2	6.07	1190	CLEAR	
11:26	4	4	70.3	6.01	1230	CLEAR	
11:30	4	4	70.3	5.92	1220	CLEAR	

DTW immed. after purge (ft): **4.89** Actual purged volume (gal): **20** Avg Purge Rate (gpm): **1**

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[\frac{8.76}{\text{Water Column}}] \times 0.20 + [\frac{4.79}{\text{DTW initial}}] = \underline{6.54}$ ft

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

SAMPLING DATA

DTW (ft) before sampling: **7.04** Date: **09.05.12** Time: **13:20 PM** Temp: _____ pH: _____ D.O.: _____ ORP: _____ by: _____

Sampling Method: Disposable Bailer _____ Notes: _____

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments:



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: TOC# 049	Location: 3400 SAN PABLO AVE 94612	Well ID# RW-1R
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GAUGING DATA

(circle well diameter)

Date: 09-05-2012 Time: 8:30 AM by: JERBAY		Multipliers for purge volume estimation: <small>Note for borehole volume, add 1/2 BH vol for each subsequent passes</small>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Well Dia</th> <th>1"</th> <th>2"</th> <th>(4)</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.6</td> </tr> <tr> <td>Borehole Vol</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table>					Well Dia	1"	2"	(4)	6"	12"	3 Casing Vol	0.12	0.49	1.96	4.40	17.6	Borehole Vol	0.40	0.77	1.51	2.57	7.71
Well Dia	1"		2"	(4)	6"	12"																			
3 Casing Vol	0.12	0.49	1.96	4.40	17.6																				
Borehole Vol	0.40	0.77	1.51	2.57	7.71																				
Total Well Depth (ft): 19.08	Depth To Product (ft): _____	Purge Vol Calculation: <input type="checkbox"/> Casing Vol. <input checked="" type="checkbox"/> Borehole Vol. (SD)	Estimated Purge Volume (gal): 14.51 × 1.46 = 28 <small>water column multiplier est. volume</small>																						
Depth To Water (ft): 4.57	Product Thickness (ft): _____																								
Water Column (ft): 14.51																									

PURGING DATA

Purge Start Time: 11:20 AM		Purge Method: SPRINKLER		pH/Temp/Cond: HANNA			by: _____
Time <small>(hh:mm) (min)</small>	Volume removed <small>(gallons)</small>	Temp <small>°F or °C</small>	pH	Cond <small>µS</small>	Turbidity	Observations	
11:26 6	6	70.1	6.04	1220	CLEAR		
11:32 6	6	70.6	6.03	1200	CLEAR		
11:38 6	6	70.3	6.07	1240	CLEAR		
11:44 6	6	70.1	6.07	1230	CLEAR		
11:50 6	6	70.1	6.06	1230	CLEAR		
DTW immed. after purge (ft): 4.68		Actual purged volume (gal): 30			Avg Purge Rate (gpm): 1		

RECOVERY CALCULATION

Method: <input checked="" type="checkbox"/> Total Well Depth:	80% Recovery = $\left[\frac{14.51}{\text{Water Column}} \right] \times 0.20 + \left[\frac{4.57}{\text{DTW initial}} \right] = \underline{7.47}$ ft
<input type="checkbox"/> Max Drawdown (SD):	80% Recovery = $\left(\left[\frac{\quad}{\text{DTW after purge}} \right] - \left[\frac{\quad}{\text{DTW initial}} \right] \right) \times 0.20 + \left[\frac{\quad}{\text{DTW initial}} \right] = \underline{\quad}$ ft

SAMPLING DATA

DTW (ft) before sampling: 8.04	Date: 09.05.12	Time: 13:30 PM	Temp: _____	pH: _____	D.O.: _____	ORP: _____	by: _____
Sampling Method: <input checked="" type="checkbox"/> Disposable Bailer	Notes: _____						

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

Comments:

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **TOC# 049** Location: **3400 SOUTH PABLO AVE, ORLANDO 32812** Well ID# **MW-1**

GAUGING DATA

(circle well diameter)

Date: **09-05-2012** Time: **6:30 AM** by: **SERBAN**

Total Well Depth (ft): **17.77** Depth To Product (ft): _____
 Depth To Water (ft): **5.46** Product Thickness (ft): _____
 Water Column (ft): **12.31**

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

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

Estimated Purge Volume (gal): **12.31 x 0.49 = 6**
water column multiplier est. volume

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

PURGING DATA

Purge Start Time: **8:58 AM** Purge Method: **PERMEABLE** pH/Temp/Cond: **HANNA** by: _____

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
9:00	2	2	70.3	6.01	1240	CLEAR	
9:02	2	2	70.1	5.93	1230	CLEAR	
9:04	2	2	69.9	5.96	1220	CLEAR	
9:06	2	2	69.7	5.93	1240	CLEAR	
9:08	2	2	69.7	5.90	1240	CLEAR	

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

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(12.31) \times 0.20 + (5.46)] = 7.92$ ft
Water Column DTW initial

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

SAMPLING DATA

DTW (ft) before sampling: **8.04** Date: **09.05.12** Time: **11:30 AM** Temp: _____ pH: _____ D.O.: _____ ORP: _____ by: _____

Sampling Method: Disposable Bailer _____ Notes: _____

Well Inspection:

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

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

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

Repair/Replacement Performed: _____

Repair/Replacement needed: _____

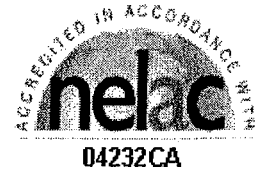
Comments: _____

APPENDIX B



Associated Laboratories

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



Client: Thrifty Oil Company
Address: 13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670
Attn: Jeff Suryakusuma
Project: Station #049 3400 San Pablo Ave., Oakland
Comments: 3400 San Pablo Ave, Oakland
Global ID: T0600101365

Lab Request: 310141
Report Date: 09/17/2012
Date Received: 09/07/2012

Client ID: 8871

1-125907
RECEIVED

SEP 17 2012 JS
ST

ENVIRONMENTAL
SS#049

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. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

<u>Sample #</u>	<u>Client Sample ID</u>
310141-001	TOC#049 RW-1R
310141-002	TOC#049 MW-7
310141-003	TOC#049 MW-6
310141-004	TOC#049 MW-5
310141-005	TOC#049 MW-4R
310141-006	TOC#049 MW-3
310141-007	TOC#049 MW-2R
310141-008	TOC#049 MW-1
310141-009	TOC#049 Trip Blank

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Matrix: Water	Client: Thrifty Oil Company
Sampled: 09/05/2012 13:30	Site:
Sample #: 310141-001	Client Sample #: TOC#049 RW-1R
	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B _{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				
TPH Gasoline	186	1	6.6	50	ug/L	09/09/12	lyt	

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	94	60-140	

Method: EPA 8260B _{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129614				
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Benzene	2.1	1	0.18	1	ug/L	09/11/12	akk	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/11/12	akk	
Ethanol	ND	1	100	500	ug/L	09/11/12	akk	
Ethylbenzene	ND	1	0.21	5	ug/L	09/11/12	akk	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	09/11/12	akk	
Methyl-t-butyl Ether (MTBE)	5.6	1	0.19	1	ug/L	09/11/12	akk	
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	09/11/12	akk	
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	09/11/12	akk	
Toluene	ND	1	0.24	5	ug/L	09/11/12	akk	
Xylenes (Total)	ND	1	0.45	5	ug/L	09/11/12	akk	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	132	70-145	
4-Bromofluorobenzene (SUR)	100	70-145	
Dibromodifluoromethane (SUR)	107	70-145	
Toluene-d8 (SUR)	103	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 310141 Page 2 of 10



Matrix: Water	Client: Thrifty Oil Company	
Sampled: 09/05/2012 13:20	Site:	
Sample #: 310141-002	Client Sample #: TOC#049 MW-7	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes	
Method: EPA 8015B NELAC		Prep Method: EPA 5030B		QCBatchID: QC1129493					
TPH Gasoline	65.7	1	6.6	50	ug/L	09/09/12	lyt		

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	92	60-140	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes	
Method: EPA 8260B NELAC		Prep Method: EPA 5030B		QCBatchID: QC1129614					
Benzene	ND	1	0.18	1	ug/L	09/12/12	akk		
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/12/12	akk		
Ethanol	ND	1	100	500	ug/L	09/12/12	akk		
Ethylbenzene	ND	1	0.21	5	ug/L	09/12/12	akk		
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	09/12/12	akk		
Methyl-t-butyl Ether (MTBE)	22	1	0.19	1	ug/L	09/12/12	akk		
t-Butyl alcohol (TBA)	51	1	5.2	10	ug/L	09/12/12	akk		
Tert-amylmethylether (TAME)	4.0	1	0.19	1	ug/L	09/12/12	akk		
Toluene	ND	1	0.24	5	ug/L	09/12/12	akk		
Xylenes (Total)	2.3J	1	0.45	5	ug/L	09/12/12	akk		

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	133	70-145	
4-Bromofluorobenzene (SUR)	97	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	99	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 310141 Page 3 of 10



Matrix: Water Client: Thrifty Oil Company
 Sampled: 09/05/2012 13:00 Site:
 Sample #: 310141-003 Client Sample #: TOC#049 MW-6 Collector: Client

Analyte Result DF MDL RDL Units Analyzed By Notes
 Method: EPA 8015B NELAC Prep Method: EPA 5030B QCBatchID: QC1129493

TPH Gasoline 514 1 6.6 50 ug/L 09/09/12 ljt

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	90	60-140	

Method: EPA 8260B NELAC Prep Method: EPA 5030B QCBatchID: QC1129659

Benzene	2.3	1	0.18	1	ug/L	09/13/12	ryanp
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/13/12	ryanp
Ethanol	ND	1	100	500	ug/L	09/13/12	ryanp
Ethylbenzene	ND	1	0.21	5	ug/L	09/13/12	ryanp
Ethyl-tertbuylether (ETBE)	ND	1	0.23	1	ug/L	09/13/12	ryanp
Methyl-t-butyl Ether (MTBE)	15	1	0.19	1	ug/L	09/13/12	ryanp
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	09/13/12	ryanp
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	09/13/12	ryanp
Toluene	ND	1	0.24	5	ug/L	09/13/12	ryanp
Xylenes (Total)	1.3J	1	0.45	5	ug/L	09/13/12	ryanp

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	125	70-145	
4-Bromofluorobenzene (SUR)	104	70-145	
Dibromodifluoromethane (SUR)	106	70-145	
Toluene-d8 (SUR)	101	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 310141 Page 4 of 10



Matrix: Water	Client: Thrifty Oil Company
Sampled: 09/05/2012 12:40	Site:
Sample #: 310141-004	Client Sample #: TOC#049 MW-5
	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				
TPH Gasoline	ND	1	6.6	50	ug/L	09/09/12	lyt	

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	84	60-140	

Method: EPA 8260B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID:				
Benzene	ND	10	1.8	10	ug/L	09/12/12	akk	
Di-isopropyl ether (DIPE)	ND	10	2	10	ug/L	09/12/12	akk	
Ethanol	6200	10	1000	5000	ug/L	09/12/12	akk	
Ethylbenzene	ND	10	2.1	50	ug/L	09/12/12	akk	
Ethyl-tertbutylether (ETBE)	ND	10	2.3	10	ug/L	09/12/12	akk	
Methyl-t-butyl Ether (MTBE)	ND	10	1.9	10	ug/L	09/12/12	akk	
t-Butyl alcohol (TBA)	ND	10	52	100	ug/L	09/12/12	akk	
Tert-amylmethylether (TAME)	ND	10	1.9	10	ug/L	09/12/12	akk	
Toluene	ND	10	2.4	50	ug/L	09/12/12	akk	
Xylenes (Total)	ND	10	4.5	50	ug/L	09/12/12	akk	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	132	70-145	
4-Bromofluorobenzene (SUR)	95	70-145	
Dibromodifluoromethane (SUR)	105	70-145	
Toluene-d8 (SUR)	96	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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



Matrix: Water	Client: Thrifty Oil Company	
Sampled: 09/05/2012 12:30	Site:	
Sample #: <u>310141-005</u>	Client Sample #: TOC#049 MW-4R	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				

TPH Gasoline	58.0	1	6.6	50	ug/L	09/09/12	lyt	
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Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	90	60-140	

Method: EPA 8260B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129614				
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Benzene	ND	1	0.18	1	ug/L	09/12/12	akk	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/11/12	akk	
Ethanol	ND	1	100	500	ug/L	09/12/12	akk	
Ethylbenzene	ND	1	0.21	5	ug/L	09/12/12	akk	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	09/11/12	akk	
Methyl-t-butyl Ether (MTBE)	7.8	1	0.19	1	ug/L	09/12/12	akk	
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	09/11/12	akk	
Tert-amylmethylether (TAME)	1.3	1	0.19	1	ug/L	09/11/12	akk	
Toluene	ND	1	0.24	5	ug/L	09/12/12	akk	
Xylenes (Total)	ND	1	0.45	5	ug/L	09/12/12	akk	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	138	70-145	
4-Bromofluorobenzene (SUR)	99	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	101	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report
Lab Request 310141 Page 6 of 10



Matrix: Water Client: Thrifty Oil Company
 Sampled: 09/05/2012 11:50 Site:
 Sample #: 310141-006 Client Sample #: TOC#049 MW-3 Collector: Client

Analyte Result DF MDL RDL Units Analyzed By Notes
 Method: EPA 8015B NELAC Prep Method: EPA 5030B QCBatchID: QC1129493

TPH Gasoline 482 1 6.6 50 ug/L 09/09/12 ljt

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	94	60-140	

Method: EPA 8260B NELAC Prep Method: EPA 5030B QCBatchID: QC1129720

Benzene	8.7	1	0.18	1	ug/L	09/14/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/14/12	akk
Ethanol	ND	1	100	500	ug/L	09/14/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	09/14/12	akk
Ethyl-terbutylether (ETBE)	ND	1	0.23	1	ug/L	09/14/12	akk
Methyl-t-butyl Ether (MTBE)	42	1	0.19	1	ug/L	09/14/12	akk
t-Butyl alcohol (TBA)	63	1	5.2	10	ug/L	09/14/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	09/14/12	akk
Toluene	2.3J	1	0.24	5	ug/L	09/14/12	akk
Xylenes (Total)	3.7J	1	0.45	5	ug/L	09/14/12	akk

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	101	70-145	
4-Bromofluorobenzene (SUR)	104	70-145	
Dibromodifluoromethane (SUR)	98	70-145	
Toluene-d8 (SUR)	105	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report
 Lab Request 310141 Page 7 of 10



Matrix: Water	Client: Thrifty Oil Company	
Sampled: 09/05/2012 11:40	Site:	
Sample #: 310141-007	Client Sample #: TOC#049 MW-2R	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				

TPH Gasoline	163	1	6.6	50	ug/L	09/09/12	lyt	
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Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	92	60-140	

Method: EPA 8260B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129659				
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Benzene	ND	1	0.18	1	ug/L	09/13/12	ryanp	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/13/12	ryanp	
Ethanol	ND	1	100	500	ug/L	09/13/12	ryanp	
Ethylbenzene	ND	1	0.21	5	ug/L	09/13/12	ryanp	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	09/13/12	ryanp	
Methyl-t-butyl Ether (MTBE)	16	1	0.19	1	ug/L	09/13/12	ryanp	
t-Butyl alcohol (TBA)	27	1	5.2	10	ug/L	09/13/12	ryanp	
Tert-amylmethylether (TAME)	4.8	1	0.19	1	ug/L	09/13/12	ryanp	
Toluene	ND	1	0.24	5	ug/L	09/13/12	ryanp	
Xylenes (Total)	ND	1	0.45	5	ug/L	09/13/12	ryanp	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	133	70-145	
4-Bromofluorobenzene (SUR)	102	70-145	
Dibromodifluoromethane (SUR)	105	70-145	
Toluene-d8 (SUR)	98	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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



Matrix: Water	Client: Thrifty Oil Company
Sampled: 09/05/2012 11:30	Site:
Sample #: 310141-008	Client Sample #: TOC#049 MW-1
	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				
TPH Gasoline	1280	1	6.6	50	ug/L	09/09/12	lyt	
<u>Analyte</u>	<u>% Recovery</u>		<u>Limits</u>					<u>Notes</u>
4-Bromofluorobenzene (SUR)	94		60-140					

Method: EPA 8260B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129659				
Benzene	6.4	1	0.18	1	ug/L	09/13/12	ryanp	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	09/13/12	ryanp	
Ethanol	ND	1	100	500	ug/L	09/13/12	ryanp	
Ethylbenzene	ND	1	0.21	5	ug/L	09/13/12	ryanp	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	09/13/12	ryanp	
Methyl-t-butyl Ether (MTBE)	16	1	0.19	1	ug/L	09/13/12	ryanp	
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	09/13/12	ryanp	
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	09/13/12	ryanp	
Toluene	ND	1	0.24	5	ug/L	09/13/12	ryanp	
Xylenes (Total)	ND	1	0.45	5	ug/L	09/13/12	ryanp	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	132	70-145	
4-Bromofluorobenzene (SUR)	104	70-145	
Dibromodifluoromethane (SUR)	103	70-145	
Toluene-d8 (SUR)	100	70-145	
1,2-Dichloroethane-d4 (SUR)		70-145	
4-Bromofluorobenzene (SUR)		70-145	
Dibromodifluoromethane (SUR)		70-145	
Toluene-d8 (SUR)		70-145	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 310141 Page 9 of 10



Matrix: Water	Client: Thrifty Oil Company
Sampled: 09/05/2012	Site:
Sample #: 310141-009	Client Sample #: TOC#049 Trip Blank
	Collector: Client

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8015B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129493				
TPH Gasoline	ND	1	6.6	50	ug/L	09/08/12	lyt	

Analyte	% Recovery	Limits	Notes
4-Bromofluorobenzene (SUR)	86	60-140	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260B ^{NELAC}		Prep Method: EPA 5030B		QCBatchID: QC1129614				
Benzene	ND	1	0.18	1	ug/L	09/11/12	akk	
Ethylbenzene	ND	1	0.21	5	ug/L	09/11/12	akk	
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	09/11/12	akk	
Toluene	ND	1	0.24	5	ug/L	09/11/12	akk	
Xylenes (Total)	ND	1	0.45	5	ug/L	09/11/12	akk	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	134	70-145	
4-Bromofluorobenzene (SUR)	100	70-145	
Dibromodifluoromethane (SUR)	107	70-145	
Toluene-d8 (SUR)	106	70-145	

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

ASSOCIATED LABORATORIES

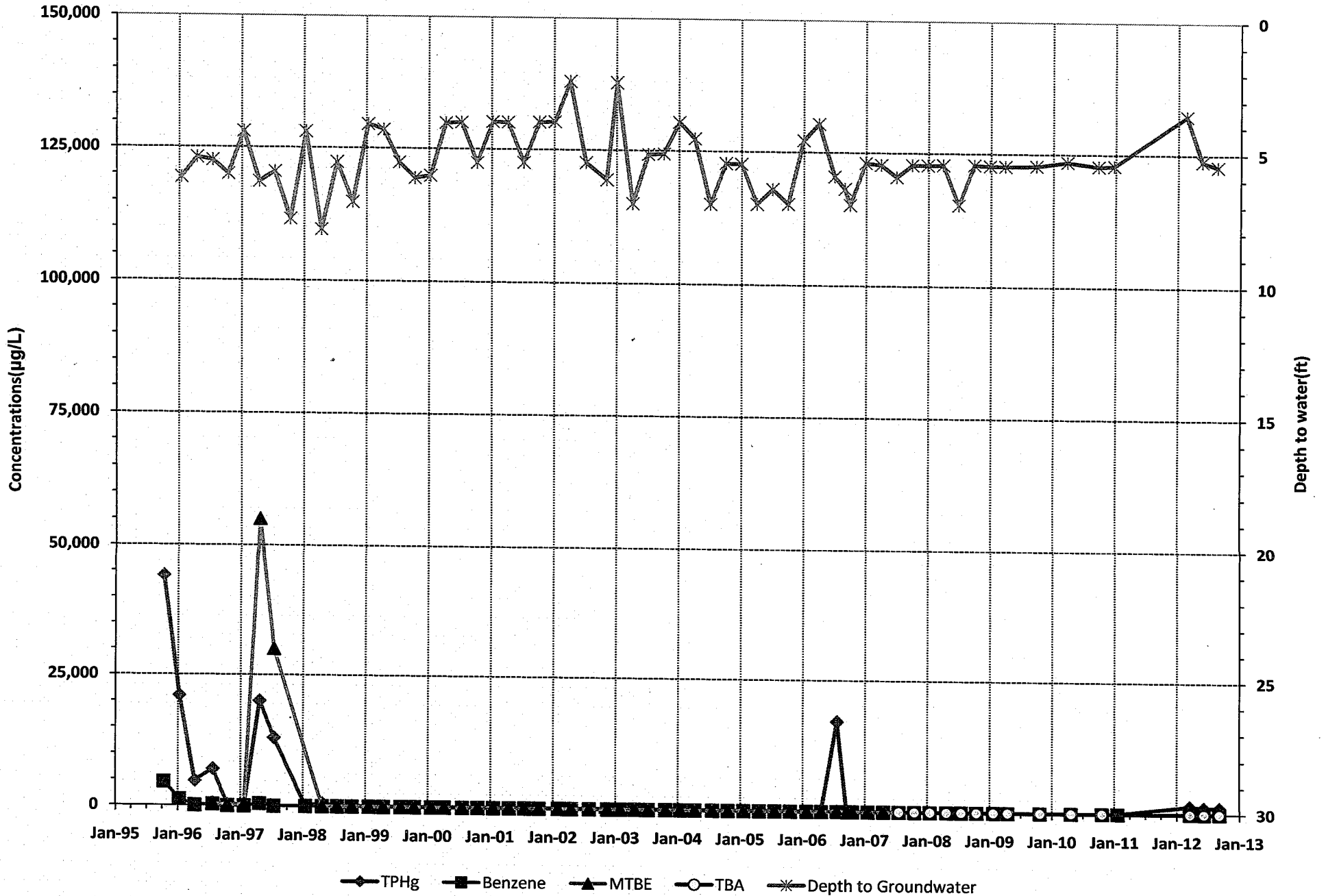
Analytical Results Report

Lab Request 310141 Page 10 of 10

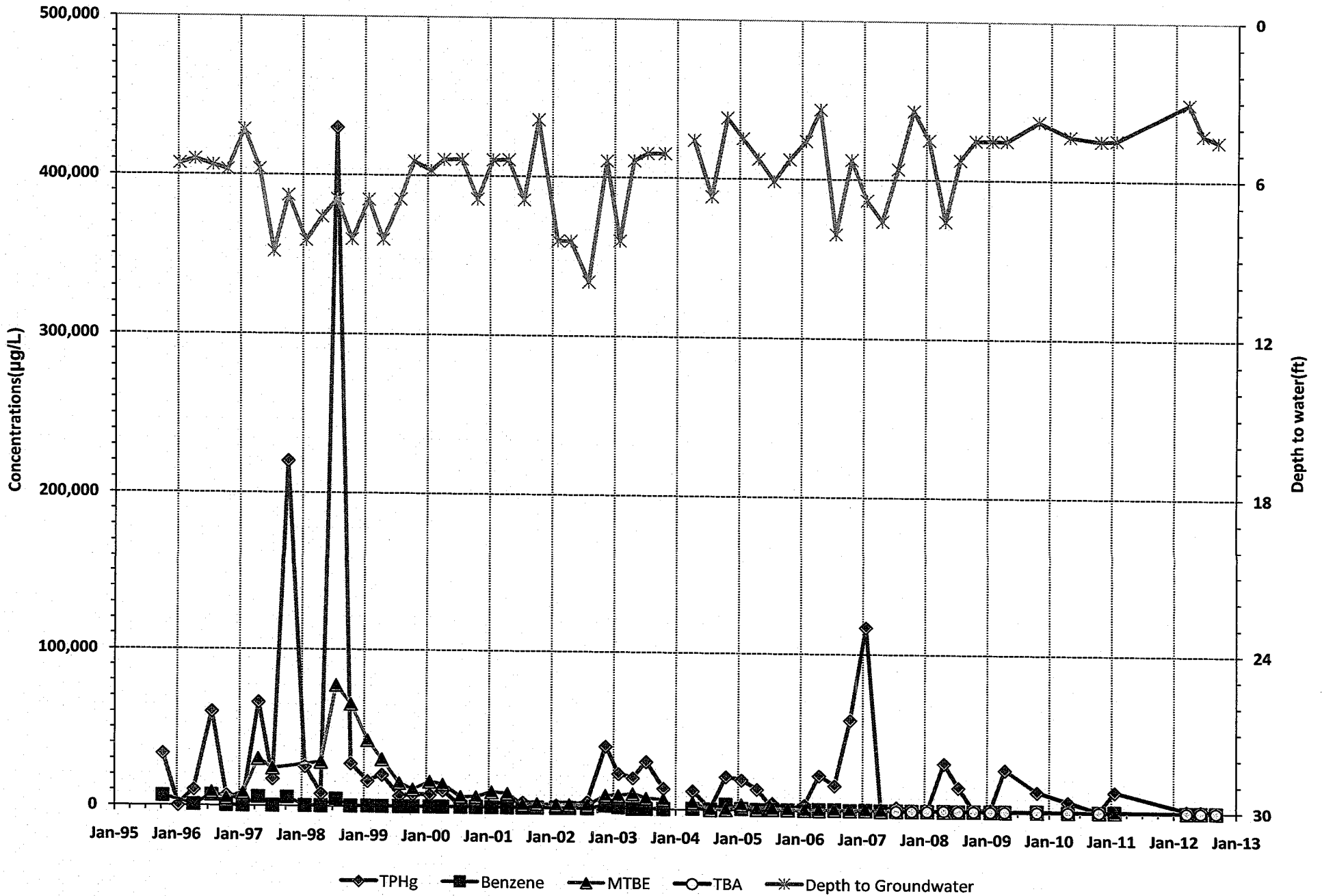


APPENDIX C

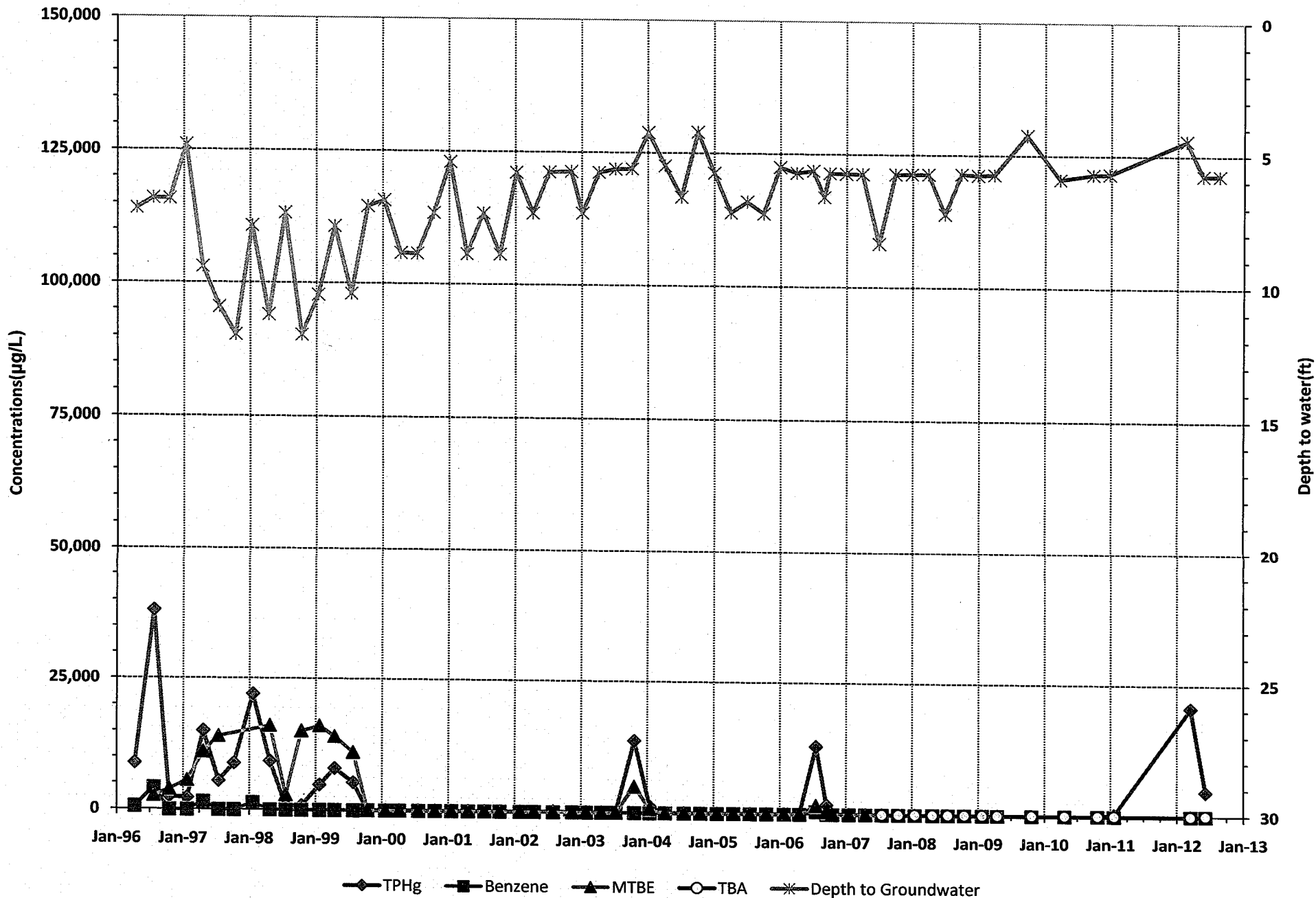
TPHg, BENZENE, MTBE, and TBA for MW-1 THRIFTY OIL STATION #049, OAKLAND, CA



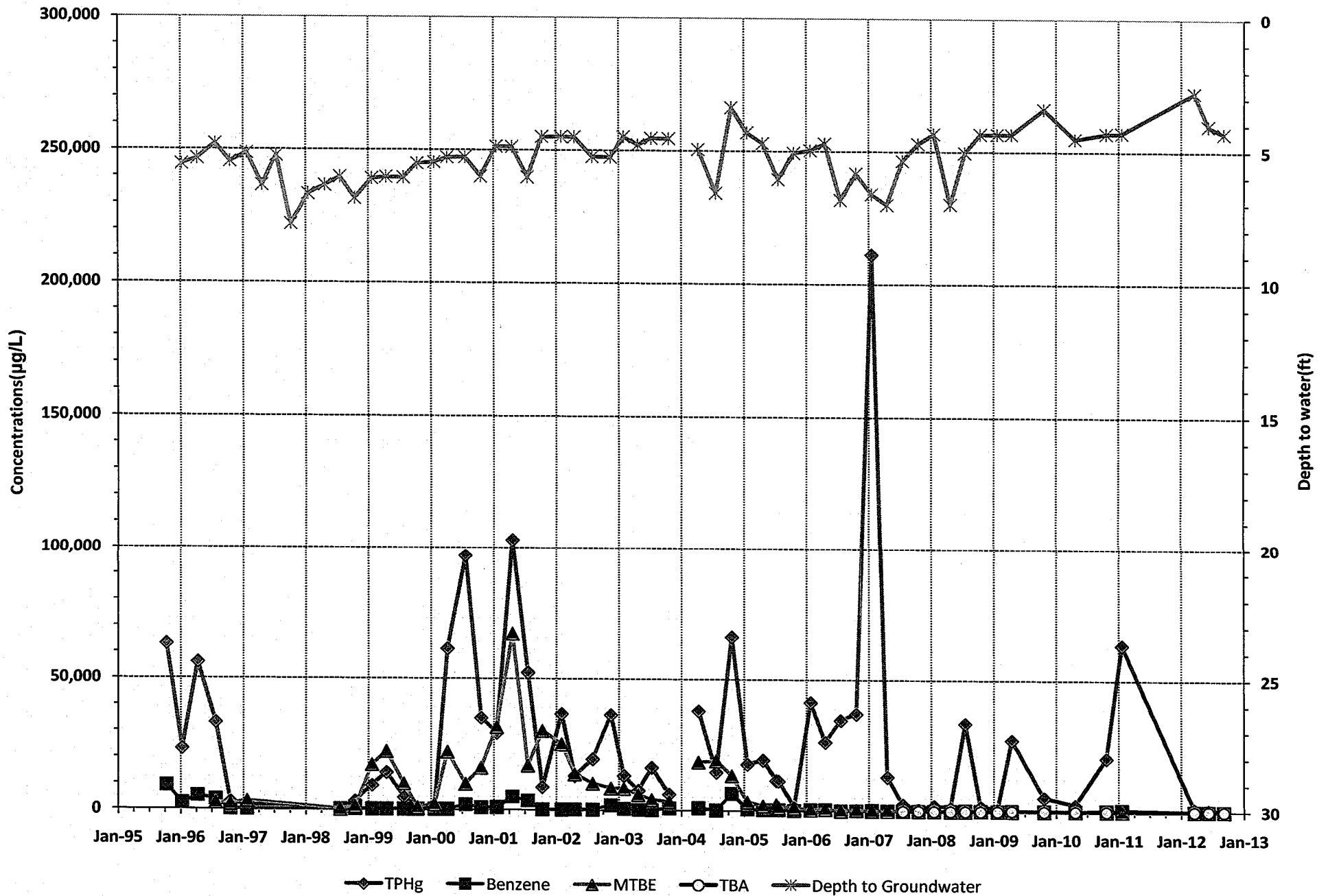
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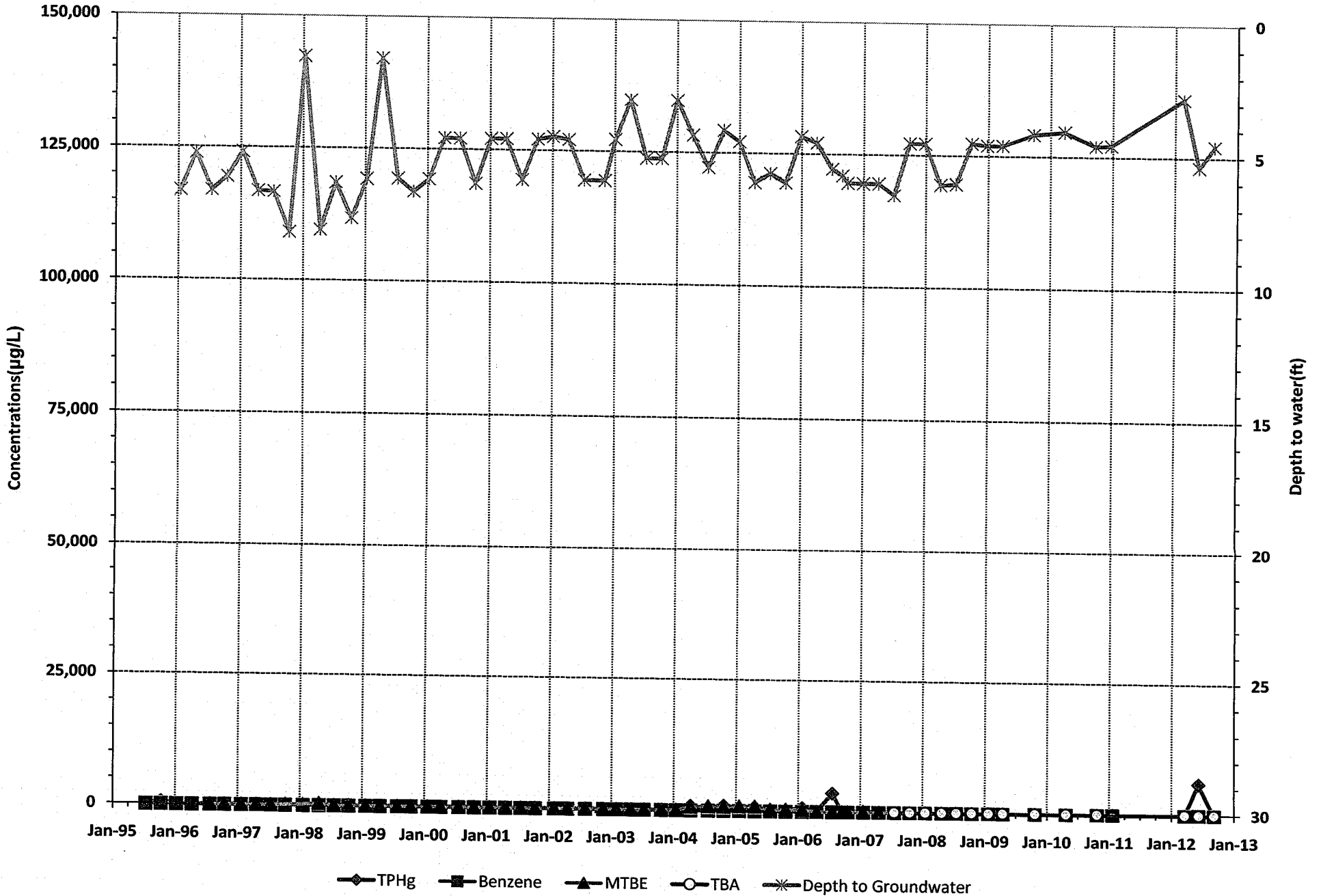
TPHg, BENZENE, MTBE, and TBA for MW-3 THRIFTY OIL STATION #049, OAKLAND, CA



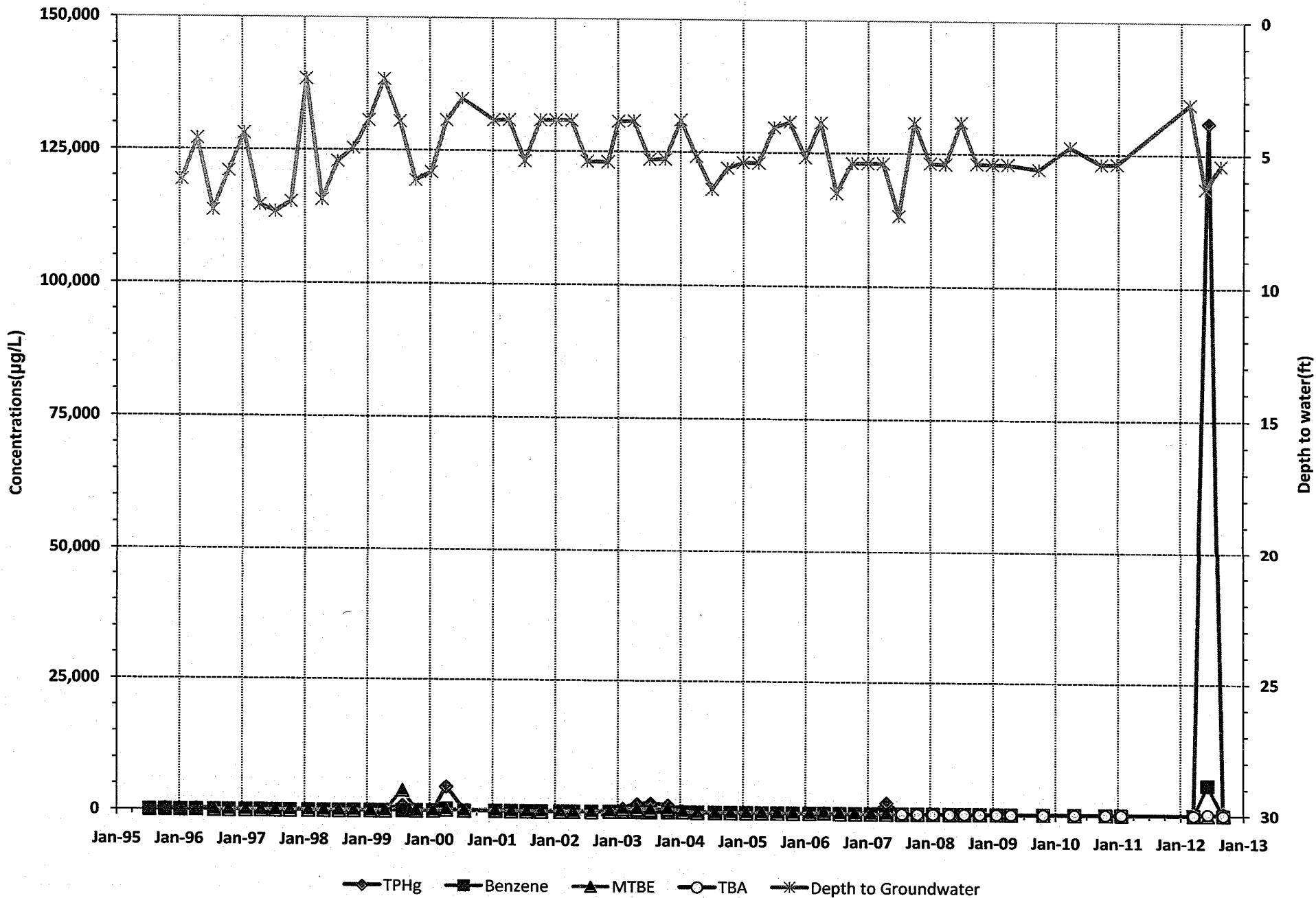
TPHg, BENZENE, MTBE, and TBA for MW-4 and MW-4R THRIFTY OIL STATION #049, OAKLAND, CA



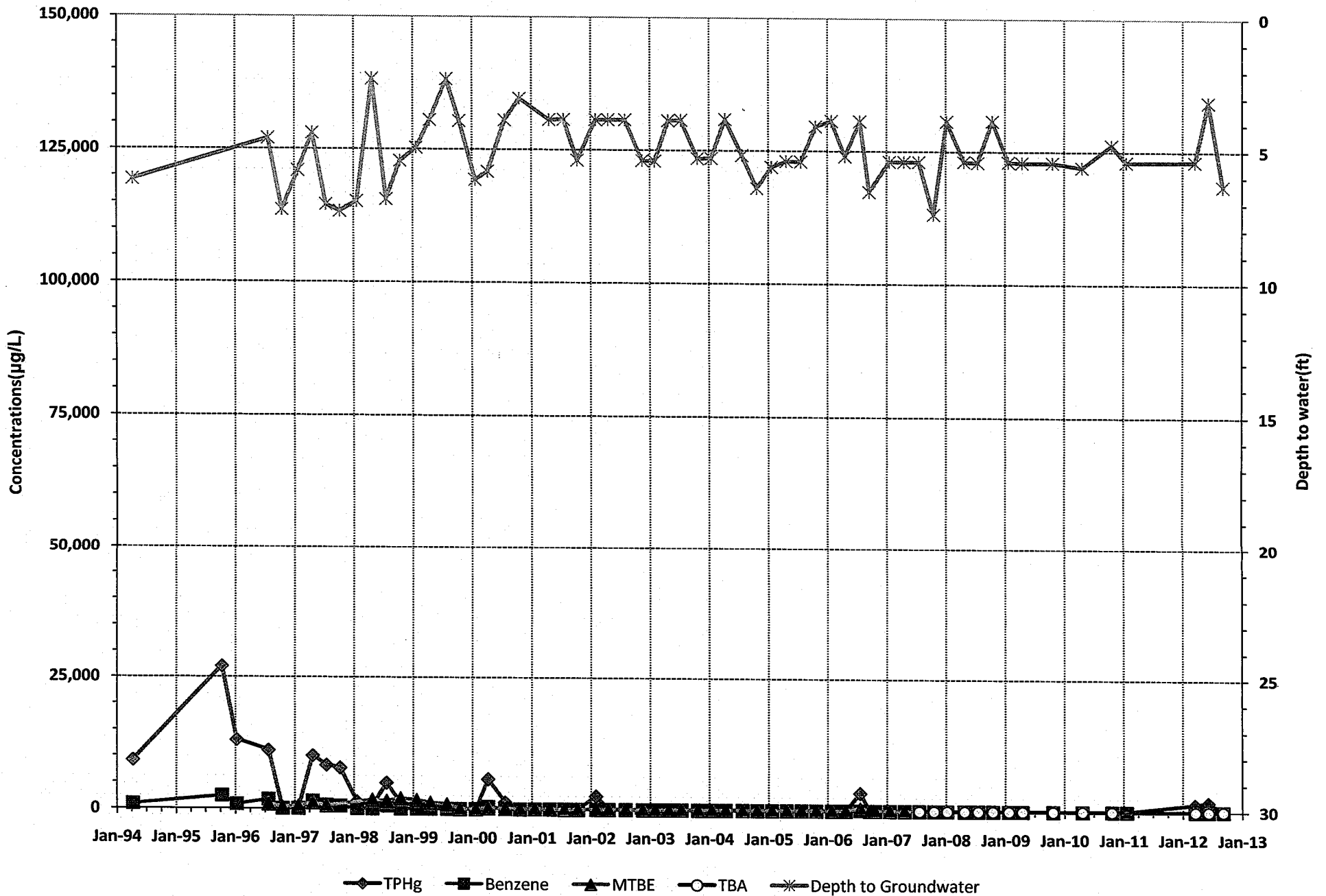
TPHg, BENZENE, MTBE, and TBA for MW-5 THRIFTY OIL STATION #049, OAKLAND, CA



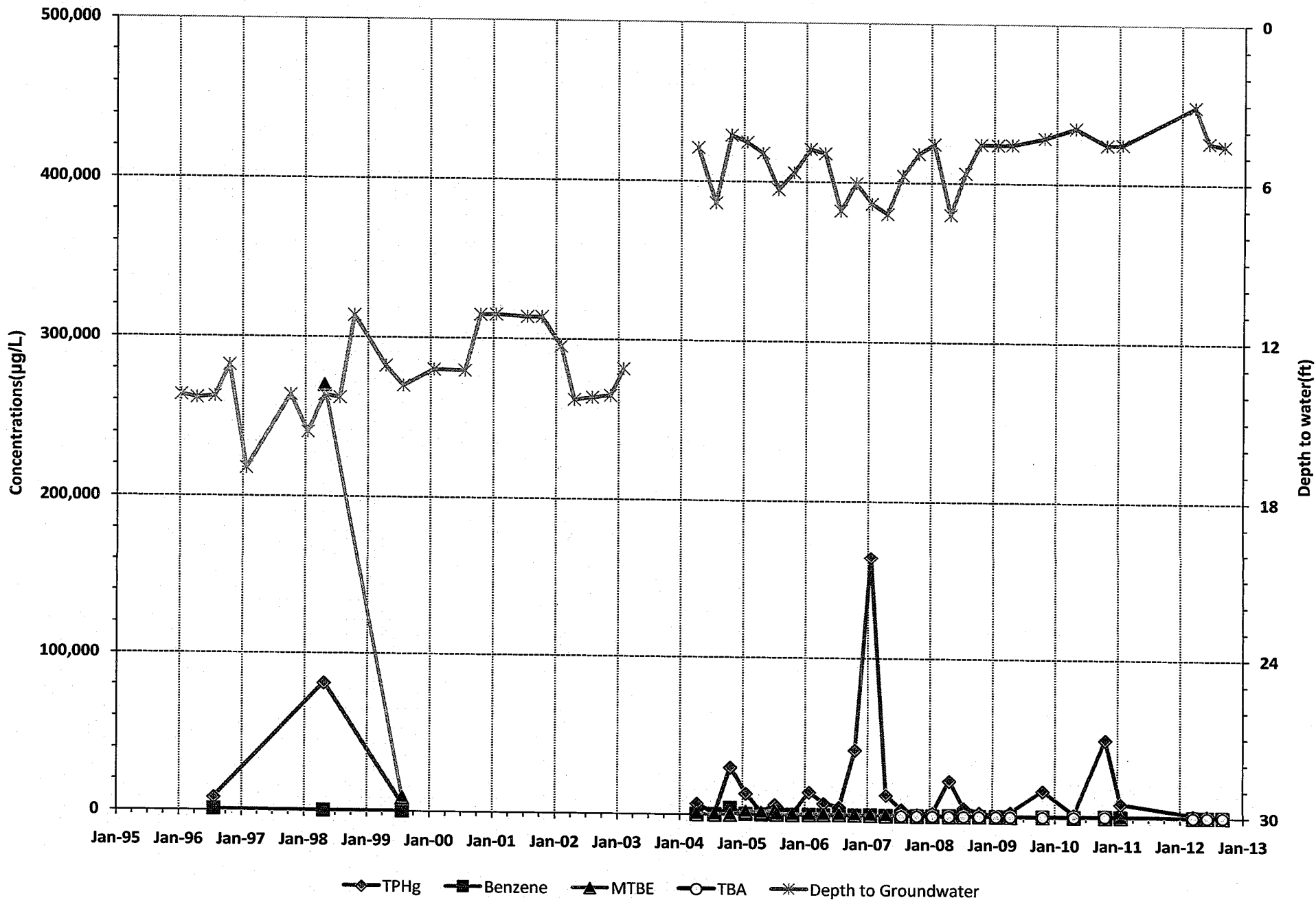
TPHg, BENZENE, MTBE, and TBA for MW-6 THRIFTY OIL STATION #049, OAKLAND, CA



TPHg, BENZENE, MTBE, and TBA for MW-7 THRIFTY OIL STATION #049, OAKLAND, CA



TPHg, BENZENE, MTBE, and TBA for RW-1 and RW-1R THRIFTY OIL STATION #049, OAKLAND, CA



APPENDIX D

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
4/8/1991	1,310	0	-	-	<0.3	<0.3	<0.3	<0.3	-	910	2000	160	2000	-
4/15/1991	1,434	124	18	-	<0.3	<0.3	<0.3	<0.3	-	2800	4600	310	5000	-
4/22/1991	1,510	200	11	-	<15	<15	<15	<45	-	3100	3300	<15	2800	-
4/29/1991	1,660	350	21	-	<0.3	<0.3	<0.3	<0.9	-	3600	4500	300	5000	-
5/6/1991	1,740	430	11	-	<0.3	<0.3	<0.3	<0.9	-	3600	3500	300	3800	-
5/13/1991	1,880	570	20	-	<0.3	<0.3	<0.3	<0.9	-	3300	3200	230	3900	-
5/20/1991	2,010	700	19	-	<0.3	<0.3	<0.3	<0.9	-	3300	3400	260	5100	-
5/28/1991	2,050	740	5	-	<0.3	<0.3	<0.3	<0.9	-	2900	3000	230	4200	-
6/3/1991	2,110	800	10	-	<0.3	<0.3	<0.3	<0.9	-	2500	2100	110	2800	-
6/10/1991	2,160	850	7	-	<0.3	<0.3	<0.3	<0.9	-	1800	1700	120	2100	-
6/17/1991	2,219	909	8	-	<0.3	<0.3	<0.3	<0.9	-	2100	1900	170	2700	-
6/24/1991	2,263	953	6	-	<0.3	<0.3	<0.3	<0.9	-	2100	1800	150	2700	-
07/01/91	2,313	1,003	7	-	<0.5	<0.5	<1	<1	-	2,700	2,000	150	2,900	-
07/08/91	2,700	1,390	55	-	<0.5	<0.5	<1	<1	-	4,000	2,500	130	4,400	-
07/15/91	2,872	1,562	25	-	<0.5	<0.5	<1	<1	-	3,100	1,900	140	3,200	-
07/22/91	3,144	1,834	39	-	<0.5	<0.5	<1	<1	-	3,400	2,100	110	2,800	-
07/29/91	3,220	1,910	11	-	<0.5	<0.5	<1	<1	-	5,100	2,200	180	2,700	-
08/05/91	3,348	2,038	18	-	<0.5	<0.5	<1	<1	-	5,100	3,900	400	4,200	-
08/12/91	3,472	2,162	18	-	<0.5	<0.5	<1	<1	-	11,000	6,200	440	8,400	-
08/19/91	3,548	2,238	11	-	<0.5	<0.5	<1	<1	-	4,500	2,400	130	2,600	-
08/26/91	3,655	2,345	15	-	<0.5	<0.5	<1	<1	-	4,400	2,500	260	3,600	-
09/09/91	3,822	2,512	12	-	<0.5	<0.5	<1	<1	-	5,200	3,000	390	3,700	-
09/16/91	3,884	2,574	9	-	<0.5	<0.5	<1	<1	-	4,100	2,000	460	4,900	-
09/23/91	4,013	2,703	18	-	<0.5	<0.5	<1	<1	-	4,600	1,600	710	6,400	-
09/30/91	4,092	2,782	11	-	<0.5	<0.5	<1	<1	-	5,700	2,000	380	6,200	-
10/07/91	4,131	2,821	6	System shut down	-	-	-	-	-	-	-	-	-	-
10/14/91	4,195	2,885	9	-	<0.5	<0.5	<1	<1	-	4,400	2,000	370	8,100	-
10/21/91	4,406	3,096	30	-	<0.5	<0.5	<1	<1	-	2,300	1,100	190	4,200	-
10/28/91	4,474	3,164	10	-	<0.5	<0.5	<1	<1	-	6,400	4,100	620	6,100	-
11/03/91	4,613	3,303	23	-	<0.5	<0.5	<1	<1	-	6,100	2,800	200	5,600	-
11/11/91	4,700	3,390	11	-	<0.5	<0.5	<1	<1	-	6,500	2,300	<30	4,900	-
11/18/91	4,887	3,577	27	-	<0.5	<0.5	<1	<1	-	5,600	2,500	300	4,600	-
11/25/91	5,042	3,732	22	-	<0.5	<0.5	<1	<1	-	5,400	2,800	230	5,700	-
12/03/91	5,263	3,953	28	-	<0.5	<0.5	<1	<1	-	7,200	3,300	490	5,500	-
12/09/91	5,362	4,052	17	-	<0.5	<0.5	<1	<1	-	4,400	1,700	140	3,900	-
12/16/91	5,486	4,176	18	-	<0.5	<0.5	<0.5	<0.5	-	4,700	2,300	310	4,600	-

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
12/23/91	5,516	4,206	4	-	<0.5	<0.5	<0.5	<0.5	-	4,000	2,200	290	5,900	-
12/30/91	5,575	4,265	8	-	<0.5	<0.5	<0.5	<0.5	-	5,200	2,500	350	5,800	-
01/15/92	5,720	4,410	9	-	<0.5	<0.5	<0.5	<0.5	-	3,400	1,900	300	6,300	-
02/10/92	6,264	4,954	21	-	<0.5	<0.5	<0.5	<0.5	-	5,800	2,800	320	7,200	-
03/09/92	8,520	7,210	81	<200	<0.5	1.6	<0.5	<0.5	47,000	7,100	4,800	630	10,300	-
04/13/92	22,888	21,578	411	<200	<0.5	<0.5	<0.5	<0.5	29,000	4,500	2,200	160	4,800	-
05/11/92	24,920	23,610	73	<200	<0.5	<0.5	<0.5	<0.5	22,000	4,300	1,500	130	3,800	-
06/01/92	28,330	27,020	162	<200	<0.5	<0.5	<0.5	<0.5	18,000	3,400	1,500	660	4,200	-
07/13/92	72,675	27,020	-	-	<0.5	<0.5	<0.5	<0.5	-	1,800	750	150	5,600	-
07/13/92	72,675	27,020	-	The system pumped air and flowmeter jumped from 30,000 gallons to 70,000 gallons.					-	-	-	-	-	-
08/17/92	75,046	29,391	68	-	<0.5	<0.5	<0.5	<0.5	-	1,100	350	200	1,100	-
09/14/92	75,582	29,927	19	-	<0.5	<0.5	<0.5	<1	-	2,100	520	<25	3,500	-
10/05/92	75,680	30,025	5	<200	<0.5	<0.5	<0.5	<1	19,000	1,700	270	<25	4,000	-
11/09/92	77,280	31,625	46	-	<0.5	<0.5	<0.5	<0.5	-	4,000	1,400	120	5,900	-
12/14/92	79,420	33,765	61	-	<0.5	<0.5	<0.5	<1	-	7,300	4,900	1,800	16,000	-
01/04/93	84,720	39,065	252	-	<0.5	<0.5	<0.5	<1	-	5,400	2,100	450	7,800	-
02/15/93	102,689	57,034	428	<200	<0.5	<0.5	<0.5	<1	41,000	6,600	3,200	260	9,600	-
02/22/93	146,430	57,034	-	The system pumped air and flowmeter jumped from 102,689 gallons to 146,430 gallons.					-	-	-	-	-	-
03/08/93	147,500	58,104	76	-	<0.5	<0.5	<0.5	<1	-	7,400	3,400	56	11,000	-
04/26/93	151,200	61,804	76	<100	<0.5	<0.5	<0.5	<1	36,000	4,300	2,200	420	8,300	-
04/26/93	151,200	61,804	-	Shut down system for repair					-	-	-	-	-	-
07/21/93	151,240	61,844	0	Restart the system					-	-	-	-	-	-
08/11/93	151,650	62,254	20	-	<0.5	<0.5	<0.5	<1	-	6,500	2,300	390	6,200	-
09/16/93	154,005	64,609	65	<60	<0.3	<0.3	<0.3	<0.6	43,000	2,300	320	<4.4	2,900	-
10/04/93	154,896	65,500	50	<60	<0.3	<0.3	<0.3	<0.6	33,000	2,900	470	6.9	3,500	-
11/05/93	157,431	68,035	79	<50	<0.3	<0.3	<0.3	<0.5	15,000	1,100	27	<0.3	920	-
12/03/93	159,324	69,928	68	<50	<0.3	<0.3	<0.3	<0.5	16,000	1,100	88	<6.6	2,300	-
01/06/94	166,440	77,044	209	-	<0.3	<0.3	<0.3	<0.5	-	3,800	730	<13	1,200	-
02/03/94	170,720	81,324	153	-	<0.3	<0.3	<0.3	<0.5	-	3,600	610	<4.4	4,800	-
03/03/94	178,168	88,772	266	-	<0.3	<0.3	<0.3	<0.5	-	2,800	2,000	270	3,400	-
04/07/94	185,670	96,274	214	<50	<0.3	<0.3	<0.3	<0.5	26,000	2,200	550	<6.6	1,900	-
05/12/94	188,840	99,444	91	<50	<0.3	<0.3	<0.3	<0.5	4,600	100	10	8.4	280	-
06/16/94	194,680	105,284	167	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
07/11/94	199,135	109,739	178	<50	<0.3	<0.3	<0.3	<0.5	4,000	220	<2.6	<2.6	320	-
08/04/94	200,910	111,514	74	<50	<0.3	<0.3	<0.3	<0.5	7,800	480	6.2	<0.3	630	-

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 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
09/15/94	203,450	114,054	60	<50	<0.3	<0.3	<0.3	<0.5	3,200	150	2.4	2.6	170	-
10/10/94	205,210	115,814	70	<50	<0.3	<0.3	<0.5	<0.5	1,300	8.6	1.5	1.1	15	-
11/07/94	206,060	116,664	30	<50	<0.3	<0.3	<0.5	<0.5	170	1.5	<0.3	<0.5	0.5	-
12/05/94	207,093	117,697	37	<50	<0.3	<0.3	<0.5	<0.5	75	1.3	<0.3	<0.5	<0.5	-
01/09/95	207,293	117,897	6	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	-
02/01/95	207,650	118,254	16	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	-
02/06/95	207,810	118,414	32	<50	<0.3	<0.3	<0.5	<0.5	<50	2.7	<0.3	<0.5	<0.5	-
03/10/95	208,430	119,034	19	<100	<0.5	<0.5	<0.5	<1	<100	<0.5	<0.5	<0.5	<1	-
04/10/95	208,564	119,168	4	<100	<0.5	<0.5	<0.5	<1	3,300	180	7.6	2.1	150	-
05/08/95	208,608	119,212	2	<100	<0.5	<0.5	<0.5	<1	11,000	640	9.2	<5	1,100	-
06/05/95	208,926	119,530	11	<100	<0.5	<0.5	<0.5	<1	5,100	270	2.2	<0.5	49	-
07/10/95	214,182	124,786	150	<100	<0.5	<0.5	<0.5	<1	13,000	1,600	120	24	1,300	-
08/07/95	221,876	132,480	275	Shut down system for repair					-	-	-	-	-	-
08/28/95	221,997	132,601	6	Restart the system					-	-	-	-	-	-
09/06/95	222,003	132,607	1	<100	<0.5	<0.5	<0.5	<1	2,300	<0.5	<0.5	<0.5	<1	-
10/09/95	222,343	132,947	10	<100	<0.5	<0.5	<0.5	<1	2,000	5.6	0.77	0.66	3.8	-
11/06/95	222,704	133,308	13	<50	0.3	0.31	<0.3	0.68	3,000	27	1.7	3.7	48	-
12/11/95	223,792	134,396	31	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	0.96	-
01/08/96	224,661	135,265	31	970	<0.3	<0.3	<0.3	0.67	1,800	39	<0.3	<0.3	<0.5	-
02/12/96	227,812	138,416	90	<50	10	0.37	<0.3	0.53	3,300	190	<7.5	<7.5	20	-
03/12/96	229,301	139,905	51	<50	<0.3	<0.3	<0.3	<0.5	2,700	250	2.3	<1.5	<2.5	-
04/08/96	242,320	152,924	482	<50	<0.3	<0.3	<0.3	<0.5	1,000	90	5	<0.3	67	-
05/06/96	247,840	158,444	197	100	<0.3	<0.3	<0.3	<0.5	15,000	2,200	600	32	2,400	-
06/03/96	248,423	159,027	21	Shut down system for carbon change					-	-	-	-	-	-
08/08/96	248,423	159,027	-	Start-up system					-	-	-	-	-	-
08/20/96	248,630	159,234	17	<50	<0.3	<0.3	<0.3	<0.5	2,100	24	<0.3	<0.3	49	-
09/23/96	259,030	169,634	306	<50	<0.3	<0.3	<0.3	<0.5	4,100	260	<3	<3	34	-
10/16/96	263,610	174,214	199	<50	<0.3	<0.3	<0.3	<0.5	2,700	220	3.8	<0.6	44	-
11/19/96	263,986	174,590	11	<50	<0.3	<0.3	<0.3	<0.5	1,200	<0.3	<0.3	<0.3	<0.5	-
12/16/96	264,210	174,814	8	<50	<0.3	<0.3	<0.3	1.5	29,000	410	2,300	120	1,100	-
01/22/97	266,220	176,824	54	<50	<0.3	<0.3	<0.3	<0.5	68,000	<0.3	<0.3	<0.3	<0.5	-
02/24/97	267,030	177,634	25	<50	<0.3	<0.3	<0.3	<0.5	51,000	3,500	3,200	390	2,200	-
03/17/97	267,230	177,834	10	<50	<0.3	<0.3	<0.3	<0.5	89,000	<6	11	<6	14	-
04/21/97	267,415	178,019	5	<50	<0.3	<0.3	<0.3	<0.5	61,000	730	18	130	360	-
05/22/97	276,535	187,139	294	<50	<0.3	<0.3	<0.3	<0.5	850	1.3	<0.3	0.4	4.6	-
06/23/97	281,214	191,818	146	-	-	-	-	-	-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
07/14/97	284,210	194,814	143	<50	<0.3	<0.3	<0.3	<0.5	6,600	<0.3	0.59	<0.3	9	-
08/18/97	298,610	209,214	411	-	-	-	-	-	-	-	-	-	-	-
09/15/97	301,043	211,647	87	-	-	-	-	-	-	-	-	-	-	-
10/07/97	333,480	244,084	1,474	<50	<0.3	<0.3	<0.3	<0.5	94,000	<0.3	<0.3	<0.3	<0.5	-
11/17/97	334,288	244,890	20	-	-	-	-	-	-	-	-	-	-	-
12/08/97	334,382	244,986	5	-	-	-	-	-	-	-	-	-	-	-
12/12/97	334,382	244,986	-	Shut down system due to stolen equipment					-	-	-	-	-	-
04/08/98	334,382	244,986	-	<50	<0.3	<0.3	<0.3	<0.5	3,100	12	1	<0.3	490	2,600
05/11/98	334,382	244,986	-	-	-	-	-	-	-	-	-	-	-	-
06/22/98	334,382	244,986	-	-	-	-	-	-	-	-	-	-	-	-
07/20/98	334,382	244,986	-	<50	<0.3	<0.3	<0.3	<0.5	52,000	8	0.52	0.83	1.5	-
08/03/98	346,521	257,125	867	Shut down system for carbon canisters replacement					-	-	-	-	-	
09/17/98	354,985	265,589	188	-	-	-	-	-	-	-	-	-	-	-
10/14/98	358,015	268,619	112	<50	<0.3	<0.3	<0.3	1.6	3,100	45	13	3.5	350	-
11/05/98	359,600	270,204	72	System shut down due to vandalism and stolen equipment					-	-	-	-	-	
11/20/98	359,600	270,204	-	Restart					-	-	-	-	-	
12/11/98	369,452	280,056	469	-	-	-	-	-	-	-	-	-	-	-
12/24/98	-	280,056	-	No reading, meter broken					-	-	-	-	-	
01/15/99	0	280,056	-	Replaced Flowmeter started at 0					-	-	-	-	-	
01/21/99	986	281,042	164	57	<0.3	<0.3	<0.3	0.76	380	6.2	1	<0.3	9.1	-
02/12/99	1,971	282,027	45	-	-	-	-	-	-	-	-	-	-	-
03/12/99	4,390	284,446	86	-	-	-	-	-	-	-	-	-	-	-
04/15/99	8,595	288,651	124	<50	<0.3	<0.3	<0.3	<0.5	410	1.6	0.78	<0.3	5	*580 / 330
05/04/99	9,410	289,466	43	-	-	-	-	-	-	-	-	-	-	-
05/18/99	9,410	289,466	-	Shut down system for pump controller repair by manufacturer					-	-	-	-	-	
09/20/99	9,411	289,467	0	Restart the system					-	-	-	-	-	
09/24/99	9,412	289,468	0	-	-	-	-	-	-	-	-	-	-	-
10/13/99	9,510	289,566	5	<50	<0.3	<0.3	<0.3	<0.5	6,000	<0.3	<0.3	<0.3	<0.5	13,000
11/12/99	9,702	289,758	6	-	-	-	-	-	-	-	-	-	-	-
12/17/99	9,894	289,950	5	-	-	-	-	-	-	-	-	-	-	-
01/20/00	10,052	290,108	5	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
02/17/00	10,157	290,213	4	-	-	-	-	-	-	-	-	-	-	-
03/13/00	10,355	290,411	8	-	-	-	-	-	-	-	-	-	-	-
04/05/00	10,546	290,602	8	72.7	1.8	4.1	0.7	6.7	119,000	2,360	6,440	6,240	25,200	*30,800 / 21,800
05/19/00	11,072	291,128	12	Shut down system for carbon drum replacement					-	-	-	-	-	
06/05/00	11,075	291,131	0	Restart the system					-	-	-	-	-	

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				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
06/14/00	11,132	291,188	6	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<6	<6	<6	<6	14	24,500
07/06/00	11,362	291,418	10	Shut down system for carbon replacement					-	-	-	-	-	-	-
07/17/00	0	291,418	-	Restart the system after carbon change, repipe and flowmeter change (starting at 0.0)					-	-	-	-	-	-	-
07/24/00	411	291,829	59	<50	<0.3	<0.3	<0.3	<0.6	205	<0.3	1	<0.3	<0.6	<0.6	*99 / 104
08/21/00	8,193	299,611	278	-	-	-	-	-	-	-	-	-	-	-	-
09/18/00	27,251	318,669	681	-	-	-	-	-	-	-	-	-	-	-	-
10/18/00	54,280	345,698	901	<50	<0.18	<0.14	<0.18	<0.26	357,000	2,380	2,960	1,290	6,850	9,630	-
10/30/00	64,610	356,028	861	-	-	-	-	-	-	-	-	-	-	-	-
11/27/00	79,870	371,288	545	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	99,240	390,658	775	-	-	-	-	-	-	-	-	-	-	-	-
01/17/01	101,250	392,668	77	<50	<0.18	<0.14	<0.18	<0.26	24,700	783	373	2	3,480	15,000	-
02/23/01	144,120	435,538	1,159	-	-	-	-	-	-	-	-	-	-	-	-
03/30/01	195,400	486,818	1,465	-	-	-	-	-	-	-	-	-	-	-	-
04/06/01	199,090	490,508	527	System shut down for carbon replacement; Replaced on 4/11/01, restart on 4/13/01.					-	-	-	-	-	-	-
04/20/01	207,050	498,468	569	88	<0.18	<0.14	<0.18	<0.26	36,500	855	716	659	1,570	11,400	-
04/27/01	210,640	502,058	513	System shut down for repair/replacement of compressor's pressure switch and exhaust valve					-	-	-	-	-	-	-
04/30/01	210,640	502,058	-	320	<0.18	<0.14	<0.18	<0.26	7,620	268	22	10	124	*13,600/9,130	-
05/11/01	210,640	502,058	-	Replaced pressure switch on 5/7/01, system still off for carbon replacement.					-	-	-	-	-	-	-
05/21/01	210,640	502,058	-	Restart the system					-	-	-	-	-	-	-
05/30/01	226,830	518,248	1,799	<50	<0.18	<0.14	<0.18	<0.26	96,600	4,980	1,660	2,770	11,300	*53,600/41,600	-
06/29/01	267,230	558,648	1,347	-	-	-	-	-	-	-	-	-	-	-	-
07/11/01	310,010	601,428	3,565	<50	<0.18	<0.14	<0.18	<0.26	162,000	<0.18	4,140	4,760	24,000	<0.24	-
08/17/01	441,270	732,688	3,548	-	-	-	-	-	-	-	-	-	-	-	-
09/28/01	498,310	789,728	1,358	-	-	-	-	-	-	-	-	-	-	-	-
10/03/01	503,930	795,348	1,124	<50	<0.18	<0.14	<0.18	<0.26	31,600	<1.8	150	294	5,280	<2.4	-
11/12/01	664,700	956,118	4,019	-	-	-	-	-	-	-	-	-	-	-	-
12/28/01	706,300	997,718	904	-	-	-	-	-	-	-	-	-	-	-	-
01/11/02	721,050	1,012,468	1,054	System shut down for carbon replacement					-	-	-	-	-	-	
01/21/02	721,050	1,012,468	-	Restart the system					-	-	-	-	-	-	
02/01/02	731,320	1,022,738	934	<100	<0.3	<0.3	<0.3	<0.6	1,172	1	1	1	6	<5	-
02/22/02	751,340	1,042,758	953	-	-	-	-	-	-	-	-	-	-	-	-
03/27/02	813,240	1,104,658	1,876	-	-	-	-	-	-	-	-	-	-	-	-
04/12/02	835,170	1,126,588	1,371	<50	<0.18	<0.14	<0.18	<0.26	12,100	5	1	<0.18	<0.26	18,400	-
04/26/02	918,670	1,210,088	5,964	System shut down					-	-	-	-	-	-	

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 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
05/10/02	918,680	1,210,098	1	Restart	-	-	-	-	-	-	-	-	-	-	-
05/17/02	928,670	1,220,088	1,427	-	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	-	-	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results during EBMUD inspection & sampling						
06/07/02	971,240	1,262,658	2,027	-	-	-	-	-	-	-	-	-	-	-	-
06/28/02	1,012,150	1,303,568	1,948	-	-	-	-	-	-	-	-	-	-	-	-
07/15/02	1,045,670	1,337,088	1,972	<50	<0.18	<0.14	<0.18	<0.26	10,600	<0.18	<0.14	<0.18	<0.26	10,000	-
07/31/02	1,052,380	1,343,798	419	System shut down for carbon replacement					-	-	-	-	-	-	-
08/16/02	1,052,390	1,343,808	1	Restart	-	-	-	-	-	-	-	-	-	-	-
08/30/02	1,057,310	1,348,728	351	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	1,061,730	1,353,148	210	<50	<0.1	<0.15	<0.06	-	Split-sample results during EBMUD inspection & sampling						
09/27/02	1,064,020	1,355,438	327	-	-	-	-	-	-	-	-	-	-	-	-
10/04/02	1,069,130	1,360,548	730	<50	<0.18	<0.14	<0.18	<0.26	4,500	<0.18	<0.14	<0.18	<0.26	2,570	-
10/25/02	1,082,500	1,373,918	637	-	-	-	-	-	-	-	-	-	-	-	-
11/29/02	1,108,680	1,400,098	748	-	-	-	-	-	-	-	-	-	-	-	-
12/27/02	1,123,890	1,415,308	543	-	-	-	-	-	-	-	-	-	-	-	-
01/03/03	1,128,910	1,420,328	717	System shut down for carbon replacement					-	-	-	-	-	-	
01/10/03	1,128,970	1,420,388	9	Restart	-	-	-	-	-	-	-	-	-	-	-
01/17/03	1,132,560	1,423,978	513	<50	<0.14	<0.07	<0.08	1.1	32,400	11	64	<0.8	6,050	706	-
01/31/03	1,143,290	1,434,708	766	<15	<0.04	0.58	<0.02	1.1	22,700	14	34	18	5,160	550	-
02/14/03	1,153,670	1,445,088	741	System shut down for carbon replacement					-	-	-	-	-	-	
04/04/03	1,153,670	1,445,088	-	System kept off and dismantled for upgrade					-	-	-	-	-	-	
06/18/04	0.0	1,445,088	-	Startup of upgraded system					-	-	-	-	-	-	
06/21/04	2,322.2	1,447,410	774	-	<0.22	<0.32	<0.31	<0.4	-	-	-	-	-	-	-
06/23/04	3,361.0	1,448,449	519	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-	-
06/25/04	4,398.0	1,449,486	519	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-	-
07/01/04	6,395.7	1,451,484	333	-	-	-	-	-	-	-	-	-	-	-	-
07/09/04	8,606.5	1,453,695	276	-	-	-	-	-	-	-	-	-	-	-	-
07/19/04	11,130.0	1,456,218	252	-	-	-	-	-	-	-	-	-	-	-	-
07/29/04	11,346.0	1,456,434	22	-	-	-	-	-	-	-	-	-	-	-	-
08/09/04	12,511.0	1,457,599	106	-	-	-	-	-	27,000	201	247	<0.18	2,060	11,300	-
08/30/04	19,294.0	1,464,382	323	-	-	-	-	-	-	-	-	-	-	-	-
09/03/04	20,211.0	1,465,299	229	-	<0.14	<0.16	<0.18	<0.45	18,900	280	290	27	3,600	9,810	-
09/21/04	24,766.0	1,469,854	253	-	-	-	-	-	-	-	-	-	-	-	-
10/07/04	28,244.9	1,473,333	217	-	<0.14	<0.16	<0.18	<0.45	24,100	221	151	74	3,100	11,800	-
10/18/04	28,288.1	1,473,376	4	-	<0.14	<0.16	<0.18	<0.45	Split-sample results during EBMUD inspection & sampling						
10/21/04	28,463.5	1,473,552	58	-	-	-	-	-	-	-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
10/28/04	34,435.8	1,479,524	853	-	-	-	-	-	-	-	-	-	-	-	-
11/02/04	37,200.4	1,482,288	553	-	-	-	-	-	-	-	-	-	-	-	-
11/09/04	39,902.6	1,484,991	386	-	-	-	-	-	29,500	564	628	173	4,550	11,800	-
11/17/04	43,165.9	1,488,254	408	-	-	-	-	-	-	-	-	-	-	-	-
11/22/04	43,760.3	1,488,848	119	-	-	-	-	-	-	-	-	-	-	-	-
12/03/04	43,827.9	1,488,916	6	-	-	-	-	-	-	-	-	-	-	-	-
12/09/04	43,862.7	1,488,951	6	-	-	-	-	-	-	-	-	-	-	-	-
12/17/04	44,034.6	1,489,123	21	-	-	-	-	-	-	-	-	-	-	-	-
12/23/04	45,408.0	1,490,496	229	-	<0.14	<0.16	<0.18	1.2	23,200	473	256	488	2,100	6,080	-
12/29/04	47,405.4	1,492,493	333	-	-	-	-	-	-	-	-	-	-	-	-
01/07/05	54,048.5	1,499,137	738	-	-	-	-	-	-	-	-	-	-	-	-
01/12/05	56,143.5	1,501,232	419	EMC took over operation and maintenance of system					-	-	-	-	-	-	-
01/14/05	56,307.2	1,501,395	82	Carbon change					-	-	-	-	-	-	-
01/19/05	56,307.2	1,501,395	-	Restarted after carbon change					-	-	-	-	-	-	-
01/27/05	57,610.1	1,502,698	163	<15	<0.14	1.1	<0.18	<0.45	4,850	189	205	255	1,450	966	-
02/03/05	63,253.1	1,508,341	806	-	-	-	-	-	-	-	-	-	-	-	-
02/11/05	65,739.0	1,510,827	311	-	-	-	-	-	-	-	-	-	-	-	-
02/18/05	67,326.3	1,512,414	227	-	-	-	-	-	-	-	-	-	-	-	-
02/24/05	67,392.1	1,512,480	11	-	-	-	-	-	-	-	-	-	-	-	-
03/09/05	67,984.2	1,513,072	46	-	-	-	-	-	-	-	-	-	-	-	-
03/17/05	69,219.3	1,514,307	154	-	-	-	-	-	-	-	-	-	-	-	-
03/23/05	70,454.2	1,515,542	206	-	-	-	-	-	-	-	-	-	-	-	-
03/30/05	71,783.1	1,516,871	190	-	-	-	-	-	-	-	-	-	-	-	-
04/06/05	75,721.2	1,520,809	563	<15	<0.14	0.91	<0.18	<0.45	10,900	247	112	356	892	2,010	-
04/07/05	-	-	-	<15	<0.14	<0.16	<0.18	<0.45	Split-sample results during EBMUD inspection & sampling						-
04/14/05	79,730.2	1,524,818	501	System was turned off for QWS					-	-	-	-	-	-	-
04/21/05	79,885.1	1,524,973	22	Restarted system					-	-	-	-	-	-	-
04/27/05	80,674.2	1,525,762	132	-	-	-	-	-	-	-	-	-	-	-	-
05/12/05	83,901.3	1,528,989	215	-	-	-	-	-	-	-	-	-	-	-	-
05/20/05	84,601.7	1,529,690	88	-	-	-	-	-	-	-	-	-	-	-	-
05/27/05	86,432.1	1,531,520	261	-	-	-	-	-	-	-	-	-	-	-	-
06/02/05	87,654.3	1,532,742	204	-	-	-	-	-	-	-	-	-	-	-	-
06/09/05	87,981.1	1,533,069	47	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	88,340.0	1,533,428	51	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	0.0	1,533,428	-	Changed battery for flow meter (reset to 0.0 gallons)					-	-	-	-	-	-	-
06/23/05	2,914.2	1,536,342	416	-	-	-	-	-	-	-	-	-	-	-	-
06/28/05	4,751.3	1,538,179	367	-	-	-	-	-	-	-	-	-	-	-	-

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 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
07/07/05	7,125.7	1,540,554	264	<2.9	<0.17	<0.22	<0.14	<0.38	7.530	301	71 J	132	800	2.580
07/12/05	8,534.3	1,541,962	282	-	-	-	-	-	-	-	-	-	-	-
07/19/05	9,145.3	1,542,573	87	-	-	-	-	-	-	-	-	-	-	-
07/26/05	10,570.5	1,543,999	204	System was turned off for QWS and carbon change										
08/03/05	10,572.1	1,544,000	0	Restarted system										
08/09/05	10,827.1	1,544,255	43	-	-	-	-	-	-	-	-	-	-	-
08/19/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
08/19/05	11,219.6	1,544,648	39	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling					
08/23/05	11,311.2	1,544,739	23	-	-	-	-	-	-	-	-	-	-	-
09/07/05	11,713.1	1,545,141	27	-	-	-	-	-	-	-	-	-	-	-
09/13/05	11,816.3	1,545,244	17	-	-	-	-	-	-	-	-	-	-	-
09/20/05	11,930.2	1,545,358	16	-	-	-	-	-	-	-	-	-	-	-
09/26/05	12,241.6	1,545,670	52	-	-	-	-	-	-	-	-	-	-	-
10/04/05	12,314.2	1,545,742	9	<2.9	<0.17	<0.22	<0.14	<0.38	4.250	129	113	3.9 J	237	2,120
10/11/05	12,578.6	1,546,007	38	-	-	-	-	-	-	-	-	-	-	-
10/17/05	12,781.3	1,546,209	34	System was turned off for QWS										
10/21/05	12,796.1	1,546,224	4	Restarted system										
11/01/05	13,383.2	1,546,811	53	-	-	-	-	-	-	-	-	-	-	-
11/08/05	13,399.2	1,546,827	2	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling					
11/08/05	-	-	-	-	-	-	-	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
11/16/05	13,807.4	1,547,235	51	-	-	-	-	-	-	-	-	-	-	-
11/23/05	0.0	1,547,235	-	Changed battery for flow meter (reset to 0.0 gallons)										
11/29/05	717.2	1,547,953	120	-	-	-	-	-	-	-	-	-	-	-
12/07/05	1,038.1	1,548,274	40	-	-	-	-	-	-	-	-	-	-	-
12/14/05	1,669.4	1,548,905	90	-	-	-	-	-	-	-	-	-	-	-
12/20/05	1,874.3	1,549,110	34	-	-	-	-	-	-	-	-	-	-	-
12/28/05	2,022.1	1,549,258	18	-	-	-	-	-	-	-	-	-	-	-
01/04/06	4,413.3	1,551,649	342	-	-	-	-	-	-	-	-	-	-	-
01/10/06	5,614.3	1,552,850	200	<2.9	<0.32	<0.1	<0.24	<0.3	12,000	16	51	2.3 J	1,300	338
01/18/06	6,414.4	1,553,650	100	-	-	-	-	-	-	-	-	-	-	-
01/20/06	6,728.3	1,553,964	157	System was turned off for QWS and carbon change										
01/27/06	6,731.2	1,553,967	0	Restarted system										
01/31/06	6,842.3	1,554,078	28	-	-	-	-	-	-	-	-	-	-	-
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
02/01/06	6.903.0	1,554,138	61	-	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling					
02/01/06	-	-	-	-	-	-	-	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					

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				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
02/01/06	0.0	1,554,138	-	Changed battery for flow meter (reset to 0.0 gallons)					-	-	-	-	-	-	-
02/07/06	308	1,554,447	51	-	-	-	-	-	-	-	-	-	-	-	
02/21/06	978	1,555,116	48	-	-	-	-	-	-	-	-	-	-	-	
02/24/06	1,268	1,555,406	97	-	-	-	-	-	-	-	-	-	-	-	
02/24/06	10	1,555,406	-	Replaced flow meter with nonresettable analog type, start with 10					-	-	-	-	-	-	
02/28/06	978	1,556,374	242	-	-	-	-	-	-	-	-	-	-	-	
03/07/06	3,254	1,558,650	325	-	-	-	-	-	-	-	-	-	-	-	
03/14/06	4,672	1,560,068	203	-	-	-	-	-	-	-	-	-	-	-	
03/21/06	6,793	1,562,189	303	-	-	-	-	-	-	-	-	-	-	-	
03/28/06	8,214	1,563,610	203	-	-	-	-	-	-	-	-	-	-	-	
04/04/06	12,513	1,567,909	614	<5.6	<0.32	<0.1	<0.24	<0.3	2,580	15	5.0	<0.24	193	341	
04/11/06	15,720	1,571,116	458	-	-	-	-	-	-	-	-	-	-	-	
04/18/06	21,010	1,576,406	756	System was turned off for QWS					-	-	-	-	-	-	
04/21/06	21,030	1,576,426	7	Restarted system					-	-	-	-	-	-	
04/25/06	22,410	1,577,806	345	-	-	-	-	-	-	-	-	-	-	-	
04/26/06	23,010	1,578,406	600	Turned off system for carbon change					-	-	-	-	-	-	
05/02/06	23,030	1,578,426	3	Restarted after carbon change					-	-	-	-	-	-	
05/09/06	27,710	1,583,106	669	-	-	-	-	-	-	-	-	-	-	-	
05/17/06	28,900	1,584,296	149	-	-	-	-	-	-	-	-	-	-	-	
05/23/06	31,430	1,586,826	422	<5.6	<0.32	<0.1	<0.24	<0.3	1,020,000	3,330	111,000	7,440	38,400	<630	
05/31/06	37,710	1,593,106	785	-	-	-	-	-	-	-	-	-	-	-	
06/09/06	39,890	1,595,286	242	-	-	-	-	-	71,000	520	16,300	820	6,840	-	
06/13/06	40,460	1,595,856	143	-	-	-	-	-	-	-	-	-	-	-	
06/21/06	41,240	1,596,636	98	-	-	-	-	-	-	-	-	-	-	-	
06/27/06	42,360	1,597,756	187	-	-	-	-	-	-	-	-	-	-	-	
07/11/06	46,380	1,601,776	287	<5.6	<0.32	<0.10	<0.24	<0.30	8070	18	385	73	1530	40	
07/18/06	47,270	1,602,666	127	System was turned off for QWS					-	-	-	-	-	-	
07/25/06	47,280	1,602,676	1	Restarted system					-	-	-	-	-	-	
08/01/06	47,860	1,603,256	83	-	-	-	-	-	-	-	-	-	-	-	
08/18/06	50,000	1,605,396	126	-	-	-	-	-	-	-	-	-	-	-	
08/22/06	50,060	1,605,456	15	-	-	-	-	-	-	-	-	-	-	-	
08/29/06	50,940	1,606,336	126	-	-	-	-	-	-	-	-	-	-	-	
09/06/06	51,360	1,606,756	53	-	-	-	-	-	-	-	-	-	-	-	
09/12/06	53,150	1,608,546	298	-	-	-	-	-	-	-	-	-	-	-	
09/14/06	53,730	1,609,126	290	System was turned off for groundwater well sampling					-	-	-	-	-	-	
09/19/06	53,940	1,609,336	42	Restarted system					53,600	59	3,630	4,510	7,400	96	

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)							
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE		
09/27/06	54,160	1,609,556	28	-	-	-	-	-	-	-	-	-	-	-	-	
10/04/06	54,370	1,609,766	30	<5.6	<0.32	<0.10	<0.24	<0.30	573	14	34	44	97	230		
10/13/06	56,380	1,611,776	223													
10/17/06	56,780	1,612,176	100	System was turned off for groundwater well sampling												
10/27/06	56,780	1,612,176	-	Restarted system												
10/31/06	57,010	1,612,406	35	-	-	-	-	-	-	-	-	-	-	-	-	
11/07/06	58,720	1,614,116	244	-	-	-	-	-	-	-	-	-	-	-	-	
11/16/06	59,010	1,614,406	32	-	-	-	-	-	-	-	-	-	-	-	-	
11/22/06	59,100	1,614,495	15	-	-	-	-	-	-	-	-	-	-	-	-	
11/30/06	61,302	1,616,698	275	-	-	-	-	-	-	-	-	-	-	-	-	
12/06/06	61,860	1,617,256	93	-	-	-	-	-	-	-	-	-	-	-	-	
12/13/06	61,930	1,617,326	10	System was shut down for maintenance												
01/03/07	61,930	1,617,326	-	Restarted system												
01/05/07	62,140	1,617,536	105	-	-	-	-	-	-	-	-	-	-	-	-	
01/09/07	62,870	1,618,266	183	-	-	-	-	-	-	-	-	-	-	-	-	
01/16/07	63,140	1,618,536	39	<5.6	<0.17	<0.22	<0.14	<0.38	144,000	<64.0	12,100	4,650	28,300	<126		
01/25/07	63,740	1,619,136	67	Restarted system (shut down on 1/16/07 for groundwater sampling.)												
01/30/07	64,140	1,619,536	80	-	-	-	-	-	-	-	-	-	-	-	-	
02/02/07	64,530	1,619,926	130	Shut down for carbon change-out												
02/09/07	64,540	1,619,936	1	Restarted after carbon change-out												
02/13/07	64,920	1,620,316	95	-	-	-	-	-	-	-	-	-	-	-	-	
02/19/07	65,213	1,620,609	49	-	-	-	-	-	-	-	-	-	-	-	-	
02/28/07	65,730	1,621,126	57	-	-	-	-	-	-	-	-	-	-	-	-	
03/08/07	66,370	1,621,766	80	-	-	-	-	-	-	-	-	-	-	-	-	
03/13/07	67,240	1,622,636	174	-	-	-	-	-	-	-	-	-	-	-	-	
03/20/07	68,410	1,623,806	167	-	-	-	-	-	-	-	-	-	-	-	-	
03/27/07	68,630	1,624,026	31	-	-	-	-	-	-	-	-	-	-	-	-	
04/03/07	68,900	1,624,296	39	-	-	-	-	-	-	-	-	-	-	-	-	
04/10/07	69,780	1,625,176	126	<5.6	<0.17	<0.22	<0.14	<0.38	4,390	30	514	45 J	595	51		
04/13/07	69,940	1,625,336	53	System was turned off for groundwater well sampling												
04/20/07	69,940	1,625,336	-	Restarted system												
04/26/07	70,130	1,625,526	32	-	-	-	-	-	-	-	-	-	-	-	-	
05/02/07	-	-	-	-	<0.7	<0.67	<0.65	<1.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)							
05/02/07	71,300	1,626,696	195	<5.6	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling							
05/08/07	71,630	1,627,026	55	-	-	-	-	-	-	-	-	-	-	-	-	
05/17/07	72,710	1,628,106	120	-	-	-	-	-	-	-	-	-	-	-	-	
05/24/07	73,120	1,628,516	59	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
06/01/07	75,340	1,630,736	278	-	-	-	-	-	-	-	-	-	-	-	-
06/14/07	76,840	1,632,236	115	-	-	-	-	-	-	-	-	-	-	-	-
06/19/07	77,234	1,632,630	79	-	-	-	-	-	-	-	-	-	-	-	-
06/21/07	77,289	1,632,685	28	-	-	-	-	-	-	-	-	-	-	-	-
06/28/07	77,690	1,633,086	57	-	-	-	-	-	416,000	3,330	49,400	7,250	39,700	<19	-
07/03/07	80,230	1,635,626	508	-	-	-	-	-	-	-	-	-	-	-	-
07/10/07	86,310	1,641,706	869	-	-	-	-	-	-	-	-	-	-	-	-
07/17/07	87,620	1,643,016	187	System was turned off for groundwater well sampling											
07/20/07	87,620	1,643,016	-	Restarted system											
07/24/07	87,930	1,643,326	78	-	-	-	-	-	-	-	-	-	-	-	-
07/31/07	88,260	1,643,656	47	-	-	-	-	-	-	-	-	-	-	-	-
08/07/07	88,930	1,644,326	96	-	-	-	-	-	-	-	-	-	-	-	-
08/14/07	89,520	1,645,016	99	-	-	-	-	-	-	-	-	-	-	-	-
08/21/07	91,200	1,646,596	226	54	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-
08/30/07	92,300	1,647,696	122	-	-	-	-	-	-	-	-	-	-	-	-
09/05/07	92,720	1,648,116	70	Shut down for carbon change-out											
09/11/07	92,720	1,648,116	-	Restart system after carbon change-out											
09/17/07	92,760	1,648,156	7	Restart system after carbon change-out											
09/24/07	100,590	1,655,986	1,119	-	-	-	-	-	-	-	-	-	-	-	-
10/02/07	109,100	1,664,496	1,064	-	-	-	-	-	-	-	-	-	-	-	-
10/10/07	118,640	1,674,036	1,193	-	-	-	-	-	-	-	-	-	-	-	-
10/16/07	124,630	1,680,026	998	Shut down for QWS											
10/19/07	124,690	1,680,086	20	Restart system after QWS											
10/23/07	124,860	1,680,256	43	-	-	-	-	-	-	-	-	-	-	-	-
10/30/07	127,680	1,683,076	403	-	-	-	-	-	-	-	-	-	-	-	-
11/20/07	139,850	1,695,246	580	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-
11/30/07	154,320	1,709,716	1,447	-	-	-	-	-	251	<0.18	<0.24	1.8 J	6.1	138	-
12/04/07	154,400	1,709,796	20	-	-	-	-	-	-	-	-	-	-	-	-
12/14/07	164,210	1,719,606	981	-	-	-	-	-	-	-	-	-	-	-	-
12/21/07	167,300	1,722,696	441	-	-	-	-	-	12,400	302	2170	853	5090	<1.9	-
12/28/07	169,420	1,724,816	303	-	-	-	-	-	-	-	-	-	-	-	-
01/02/08	172,430	1,727,826	602	-	-	-	-	-	-	-	-	-	-	-	-
01/11/08	178,960	1,734,356	726	-	-	-	-	-	-	-	-	-	-	-	-
01/15/08	179,240	1,734,636	70	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-
01/18/08	179,240	1,734,636	-	Restart system after QWS											
01/25/08	188,920	1,744,316	1,383	-	-	-	-	-	-	-	-	-	-	-	-
02/01/08	192,200	1,747,596	469	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
02/05/08	195,150	1,750,546	738	-	-	-	-	-	-	-	-	-	-	-	-
02/15/08	195,570	1,750,966	42	-	-	-	-	-	444	2.4	137	21	100	84	-
02/22/08	198,380	1,753,776	401	-	-	-	-	-	-	-	-	-	-	-	-
02/29/08	203,160	1,758,556	683	-	-	-	-	-	-	-	-	-	-	-	-
03/07/08	210,490	1,765,886	1,047	-	-	-	-	-	-	-	-	-	-	-	-
03/12/08	216,700	1,772,096	1,242	<5.6	<0.15	<0.12	<0.09	<0.26	111	<0.18	<0.24	<0.21	7.8	23	-
03/25/08	233,240	1,788,636	1,272	-	-	-	-	-	-	-	-	-	-	-	-
03/27/08	233,970	1,789,366	365	-	-	-	-	-	-	-	-	-	-	-	-
04/23/08	234,000	1,789,396	1	<6.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-
05/01/08	245,000	1,800,396	1,375	-	-	-	-	-	4,520	16	<0.24	<0.21	1040	6.6	-
05/06/08	254,850	1,810,246	1,970	-	-	-	-	-	-	-	-	-	-	-	-
05/13/08	258,100	1,813,496	454	-	-	-	-	-	-	-	-	-	-	-	-
05/20/08	267,970	1,823,366	1,410	-	-	-	-	-	29,200	219	3,130	913	4,860	<3.8	-
05/28/08	277,550	1,832,946	1,198	-	-	-	-	-	-	-	-	-	-	-	-
06/04/08	277,600	1,832,996	7	-	-	-	-	-	-	-	-	-	-	-	-
06/10/08	279,680	1,835,076	347	-	-	-	-	-	-	-	-	-	-	-	-
06/17/08	279,690	1,835,086	1	-	-	-	-	-	-	-	-	-	-	-	-
06/25/08	288,300	1,843,696	1,076	-	-	-	-	-	-	-	-	-	-	-	-
07/08/08	300,310	1,855,706	924	<6.6	<0.15	3.0	0.6	3.4	19,700	78	416	210	1,120	5.9	-
07/15/08	302,720	1,858,116	344	SHUT DOWN SYSTEM FOR QWS					20,100	526	3,160	607	3,220	52	-
07/22/08	307,280	1,862,676	651	RESTART SYSTEM AFTER QWS					-	-	-	-	-	-	-
07/29/08	314,840	1,870,236	1,080	SHUT DOWN SYSTEM FOR CARBON CHANGEOUT					-	-	-	-	-	-	-
08/06/08	314,840	1,870,236	-	CARBON CHANGEOUT					-	-	-	-	-	-	-
08/08/08	314,880	1,870,276	20	RESTART SYSTEM AFTER CARBON CHANGEOUT					-	-	-	-	-	-	-
08/15/08	323,520	1,878,916	1,234	-	-	-	-	-	-	-	-	-	-	-	-
08/22/08	326,970	1,882,366	493	-	-	-	-	-	8,430	95	705	259	1,340	21	-
08/29/08	336,510	1,891,906	1,363	-	-	-	-	-	-	-	-	-	-	-	-
09/03/08	336,940	1,892,336	86	-	-	-	-	-	-	-	-	-	-	-	-
09/09/08	345,120	1,900,516	1,363	-	-	-	-	-	-	-	-	-	-	-	-
09/16/08	353,740	1,909,136	1,231	-	-	-	-	-	-	-	-	-	-	-	-
09/23/08	362,360	1,917,756	1,231	-	-	-	-	-	-	-	-	-	-	-	-
09/30/08	367,980	1,923,376	803	-	-	-	-	-	-	-	-	-	-	-	-
10/07/08	374,190	1,929,586	887	-	-	-	-	-	-	-	-	-	-	-	-
10/14/08	380,700	1,936,096	930	SHUT DOWN SYSTEM FOR QWS					-	-	-	-	-	-	-
10/21/08	380,730	1,936,126	4	RESTARTED AFTER QWS					335	21	4.5 J	<0.21	7.1	185	-
10/28/08	389,750	1,945,146	1,289	-	-	-	-	-	-	-	-	-	-	-	-
11/04/08	397,700	1,953,096	1,136	-	-	-	-	-	-	-	-	-	-	-	-
11/13/08	403,340	1,958,736	627	-	-	-	-	-	-	-	-	-	-	-	-

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GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
11/19/08	411,970	1,967,366	1,438	-	-	-	-	-	-	-	-	-	-	-	-
11/25/08	419,910	1,975,306	1,323	-	-	-	-	-	-	-	-	-	-	-	-
12/03/08	428,530	1,983,926	1,078	-	-	-	-	-	-	-	-	-	-	-	-
12/09/08	436,480	1,991,876	1,325	<6.6	<0.23	<0.23	<0.26	<0.81	89	2.2	<0.24	<0.21	4.8 J	-	-
12/17/08	445,440	2,000,836	1,120	-	-	-	-	-	-	-	-	-	-	-	-
12/24/08	455,270	2,010,666	1,404	-	-	-	-	-	-	-	-	-	-	-	-
12/30/08	464,210	2,019,606	1,490	-	-	-	-	-	-	-	-	-	-	-	-
01/08/09	473,310	2,028,706	1,011	-	-	-	-	-	-	-	-	-	-	-	-
01/09/09	473,550	2,028,946	240	-	-	-	-	-	-	-	-	-	-	-	-
01/14/09	480,890	2,036,286	1,468	-	-	-	-	-	-	-	-	-	-	-	-
01/15/09	481,090	2,036,486	200	-	-	-	-	-	-	-	-	-	-	-	-
01/16/09	481,380	2,036,776	290	SHUT DOWN SYSTEM FOR QWS					-	-	-	-	-	-	-
01/22/09	481,460	2,036,856	13	RESTARTED AFTER QWS					-	-	-	-	-	-	-
01/26/09	488,740	2,044,136	1,820	-	-	-	-	-	-	-	-	-	-	-	-
02/02/09	499,400	2,054,796	1,523	-	-	-	-	-	-	-	-	-	-	-	-
02/09/09	509,270	2,064,666	1,410	-	-	-	-	-	-	-	-	-	-	-	-
02/19/09	509,390	2,064,786	12	SYSTEM SHUTDOWN DUE TO BREAK-IN/THEFT					-	-	-	-	-	-	-
02/27/09	509,410	2,064,806	3	RESTARTED SYSTEM					-	-	-	-	-	-	-
03/02/09	509,750	2,065,146	113	-	-	-	-	-	-	-	-	-	-	-	-
03/06/09	513,540	2,068,936	948	-	-	-	-	-	-	-	-	-	-	-	-
03/09/09	516,010	2,071,406	823	-	-	-	-	-	-	-	-	-	-	-	-
03/16/09	524,240	2,079,636	1,176	-	-	-	-	-	-	-	-	-	-	-	-
03/23/09	525,740	2,081,136	214	-	-	-	-	-	-	-	-	-	-	-	-
04/02/09	528,090	2,083,486	235	-	-	-	-	-	-	-	-	-	-	-	-
04/10/09	532,790	2,088,186	588	SHUT DOWN SYSTEM FOR QWS					-	-	-	-	-	-	-
04/16/09	532,830	2,088,226	7	RESTARTED AFTER QWS					-	-	-	-	-	-	-
04/22/09	541,390	2,096,786	1,427	-	-	-	-	-	-	-	-	-	-	-	-
04/27/09	547,630	2,103,026	1,248	-	-	-	-	-	<6.6	<0.18	<0.24	<0.21	1.0 J	<0.19	-
05/04/09	555,260	2,110,656	1,090	-	-	-	-	-	-	-	-	-	-	-	-
05/13/09	563,400	2,118,796	904	-	-	-	-	-	-	-	-	-	-	-	-
05/18/09	569,380	2,124,776	1,196	-	-	-	-	-	-	-	-	-	-	-	-
05/26/09	574,820	2,130,216	680	-	-	-	-	-	-	-	-	-	-	-	-
06/09/09	577,540	2,132,936	194	FOUND SYSTEM OFF. AIR COMPRESSOR OVERLOAD					-	-	-	-	-	-	-
06/15/09	583,360	2,138,756	970	<6.6	<0.18	<0.24	<0.21	<0.45	451	94	50	1.3 J	44	80	-
06/17/09	585,430	2,140,826	1,035	-	-	-	-	-	-	-	-	-	-	-	-
06/23/09	592,510	2,147,906	1,180	-	-	-	-	-	-	-	-	-	-	-	-
07/07/09	600,510	2,155,906	571	-	-	-	-	-	-	-	-	-	-	-	-
07/15/09	609,430	2,164,826	1,115	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
07/21/09	615,570	2,170,966	1,023	-	-	-	-	-	-	-	-	-	-	-	-
07/28/09	622,400	2,177,796	976	-	-	-	-	-	-	-	-	-	-	-	-
08/04/09	629,960	2,185,356	1,080	-	-	-	-	-	-	-	-	-	-	-	-
08/10/09	633,250	2,188,646	548	<6.6	<0.23	<0.23	<0.26	<0.81	-	-	-	-	-	-	-
08/13/09	-	-	-	-	<0.51	<0.51	<0.41	<1.3 / <0.37	Split-sample results during EBMUD inspection & sampling						
08/19/09	639,790	2,195,186	727	-	-	-	-	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
08/26/09	647,390	2,202,786	1,086	-	-	-	-	-	-	-	-	-	-	-	-
09/02/09	654,650	2,210,046	1,037	-	-	-	-	-	-	-	-	-	-	-	-
09/10/09	661,090	2,216,486	805	-	-	-	-	-	-	-	-	-	-	-	-
09/21/09	669,140	2,224,536	732	-	-	-	-	-	-	-	-	-	-	-	-
09/29/09	675,680	2,231,076	818	-	-	-	-	-	-	-	-	-	-	-	-
10/09/09	683,890	2,239,286	821	-	-	-	-	-	-	-	-	-	-	-	-
10/13/09	688,400	2,243,796	1,128	-	-	-	-	-	-	-	-	-	-	-	-
10/20/09	693,420	2,248,816	717	Shut down for QWS											
10/22/09	693,480	2,248,876	30	Restart system after QWS											
10/27/09	697,020	2,252,416	708	-	-	-	-	-	-	-	-	-	-	-	-
11/04/09	704,580	2,259,976	945	-	-	-	-	-	-	-	-	-	-	-	-
11/10/09	711,470	2,266,866	1,148	-	-	-	-	-	-	-	-	-	-	-	-
11/17/09	718,410	2,273,806	991	-	-	-	-	-	-	-	-	-	-	-	-
11/24/09	725,250	2,280,646	977	-	-	-	-	-	-	-	-	-	-	-	-
12/01/09	733,890	2,289,286	1,234	-	-	-	-	-	-	-	-	-	-	-	-
12/08/09	742,030	2,297,426	1,163	-	-	-	-	-	-	-	-	-	-	-	-
12/15/09	750,980	2,306,376	1,279	-	-	-	-	-	-	-	-	-	-	-	-
12/17/09	751,230	2,306,626	125	<6.6	<0.18	<0.24	<0.21	<0.45	120,000	1,480	18,400	4,480	24,000	<19.0	-
12/22/09	753,280	2,308,676	410	-	-	-	-	-	-	-	-	-	-	-	-
12/29/09	755,690	2,311,086	344	-	-	-	-	-	-	-	-	-	-	-	-
01/05/10	757,120	2,312,516	204	System found off due to air compressor pressure switch											
01/08/10	757,120	2,312,516	-	System restarted after repairs											
01/12/10	761,770	2,317,166	1,163	-	-	-	-	-	-	-	-	-	-	-	-
01/21/10	771,570	2,326,966	1,089	-	-	-	-	-	-	-	-	-	-	-	-
01/26/10	780,510	2,335,906	1,788	-	-	-	-	-	-	-	-	-	-	-	-
02/02/10	789,430	2,344,826	1,274	-	-	-	-	-	-	-	-	-	-	-	-
02/09/10	797,830	2,353,226	1,200	-	-	-	-	-	-	-	-	-	-	-	-
02/16/10	806,450	2,361,846	1,231	-	-	-	-	-	-	-	-	-	-	-	-
02/23/10	815,070	2,370,466	1,231	-	-	-	-	-	-	-	-	-	-	-	-
03/02/10	817,550	2,372,946	354	<6.6	<0.18	<0.24	<0.21	<0.45	Split-sample results during EBMUD inspection & sampling						
03/02/10	-	-	-	-	<0.51	<0.51	<0.41	<1.67	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
03/03/10	817,930	2,373,326	380	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
03/09/10	824,830	2,380,226	1,150	-	-	-	-	-	-	-	-	-	-	-	-
03/16/10	833,550	2,388,946	1,246	-	-	-	-	-	-	-	-	-	-	-	-
03/31/10	842,130	2,397,526	572	System shut down for carbon canister changeout											
04/16/10	855,750	2,411,146	851	System Restarted											
04/20/10	858,730	2,414,126	745	System Shutdown for QWS											
04/22/10	858,790	2,414,186	30	System Restarted											
04/29/10	866,600	2,421,996	1,116	-	-	-	-	-	-	-	-	-	-	-	-
05/04/10	874,460	2,429,856	1,572	-	-	-	-	-	-	-	-	-	-	-	-
05/12/10	883,380	2,438,776	1,115	-	-	-	-	-	-	-	-	-	-	-	-
05/18/10	891,590	2,446,986	1,368	-	-	-	-	-	-	-	-	-	-	-	-
05/26/10	900,550	2,455,946	1,120	-	-	-	-	-	-	-	-	-	-	-	-
06/04/10	910,390	2,465,786	1,093	-	-	-	-	-	-	-	-	-	-	-	-
06/09/10	918,350	2,473,746	1,592	-	-	-	-	-	-	-	-	-	-	-	-
06/16/10	927,110	2,482,506	1,251	-	-	-	-	-	-	-	-	-	-	-	-
06/24/10	935,830	2,491,226	1,090	-	-	-	-	-	-	-	-	-	-	-	-
07/02/10	943,720	2,499,116	986	-	-	-	-	-	-	-	-	-	-	-	-
07/08/10	952,310	2,507,706	1,432	-	-	-	-	-	-	-	-	-	-	-	-
07/14/10	961,730	2,517,126	1,570	-	-	-	-	-	-	-	-	-	-	-	-
07/22/10	970,680	2,526,076	1,119	-	-	-	-	-	-	-	-	-	-	-	-
07/23/10	970,840	2,526,236	160	-	-	-	-	-	-	-	-	-	-	-	-
07/29/10	978,400	2,533,796	1,260	-	-	-	-	-	829	3.0	125	2.1	134	6.5	-
08/03/10	986,380	2,541,776	1,596	System shutdown for pilot test											
09/08/10	999,270	2,554,666	358	System Restarted											
09/10/10	999,870	2,555,266	300	System Shutdown											
09/23/10	999,870	2,555,266	-	System Restarted											
09/27/10	1,000,080	2,555,476	53	System Shutdown for rebound											
10/06/10	1,000,080	2,555,476	-	-	-	-	-	-	-	-	-	-	-	-	-
10/27/10	1,000,100	2,555,496	1	System Restarted after water sampling.											
11/03/10	1,000,480	2,555,876	54	-	-	-	-	-	-	-	-	-	-	-	-
11/09/10	1,001,122	2,556,518	107	-	-	-	-	-	-	-	-	-	-	-	-
11/16/10	1,001,550	2,556,946	61	-	-	-	-	-	-	-	-	-	-	-	-
11/23/10	1,002,440	2,557,836	127	-	-	-	-	-	-	-	-	-	-	-	-
12/06/10	1,003,690	2,559,086	96	-	-	-	-	-	-	-	-	-	-	-	-
12/14/10	1,010,030	2,565,426	793	-	-	-	-	-	-	-	-	-	-	-	-
12/16/10	1,010,230	2,565,626	100	-	-	-	-	-	-	-	-	-	-	-	-
12/21/10	1,013,910	2,569,306	736	-	-	-	-	-	477	2.4	8.5	0.9	26	19	-
12/30/10	1,014,790	2,570,186	98	-	-	-	-	-	-	-	-	-	-	-	-
01/04/11	1,019,310	2,574,706	904	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
01/11/11	1,025,520	2,580,916	887	-	-	-	-	-	-	-	-	-	-	-	
01/13/11	1,026,750	2,582,146	615	-	-	-	-	-	-	-	-	-	-	-	
01/19/11	1,031,010	2,586,406	710	-	-	-	-	-	149,000	1,880	24,000	4,430	37,500	<1.9	
01/20/11	1,031,080	2,586,476	70	System shutdown for water sampling.				-	-	-	-	-	-	-	-
01/25/11	1,033,760	2,589,156	536	System Restarted after water sampling.				-	-	-	-	-	-	-	-
02/01/11	1,042,370	2,597,766	1,230	-	-	-	-	-	-	-	-	-	-	-	
02/08/11	1,048,890	2,604,286	931	-	-	-	-	-	57,800	1,080	13,700	2,230	11,000	<19.0	
02/16/11	1,055,710	2,611,106	853	-	-	-	-	-	-	-	-	-	-	-	
02/21/11	1,062,600	2,617,996	1,378	-	-	-	-	-	-	-	-	-	-	-	
03/01/11	1,069,440	2,624,836	855	-	-	-	-	-	-	-	-	-	-	-	
03/09/11	1,076,670	2,632,066	904	-	-	-	-	-	-	-	-	-	-	-	
03/15/11	1,083,650	2,639,046	1,163	-	-	-	-	-	-	-	-	-	-	-	
03/23/11	1,090,230	2,645,626	823	-	-	-	-	-	-	-	-	-	-	-	
03/30/11	1,099,180	2,654,576	1,279	-	-	-	-	-	<6.6	<0.18	<0.24	<0.21	<0.45	69	
04/05/11	1,108,710	2,664,106	1,588	-	-	-	-	-	-	-	-	-	-	-	
04/13/11	1,116,330	2,671,726	953	-	-	-	-	-	-	-	-	-	-	-	
04/20/11	1,126,150	2,681,546	1,403	-	-	-	-	-	-	-	-	-	-	-	
04/28/11	1,129,040	2,684,436	361	System shutdown per agency approval.				-	-	-	-	-	-	-	-

WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0
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Note:

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

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

Total Hydrocarbons Removed = From 4/8/91 to 2/10/92, the influent TPHg is assumed to be 47,000 (3/9/92)

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.