

THRIFTY OIL CO.

April 23, 2012

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

RECEIVED

5:01 pm, Apr 26, 2012

Alameda County
Environmental Health

O.122509

Local #RO0000004
RWQCB #01-1478
EDF # 6818967700

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

Dear Mr. Khatri:

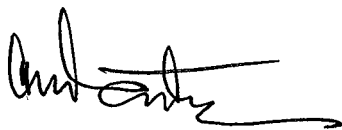
Enclosed is the *First Quarter 2012, Status Report and Request for Low-Risk Closure* prepared by Stratus Environmental, Inc. for former Thrifty Oil Co. (Thrifty) Station #049 located at 3400 San Pablo Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the *First Quarter 2012* groundwater-monitoring program.

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, 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.

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



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

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ENVIRONMENTAL

SS# 049

**Quarterly Groundwater Monitoring Report
First Quarter 2012 and Request for Low-Risk Closure**

**Thrifty Oil Co. Service Station No. 049/ARCO 9535
3400 San Pablo Avenue
Oakland, California**

Alameda County Health Care Services File No.: RO0000004

Global ID No. T0600101365

April 18, 2012

**Prepared For: THRIFTY OIL CO.
13116 Imperial Highway
Santa Fe Springs, CA 90670**

**Prepared By: STRATUS ENVIRONMENTAL, INC.
5412 Bolsa Avenue, Suite G
Huntington Beach, CA 92649
Stratus Project: 1080-5756-1**



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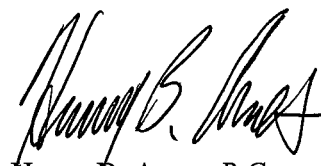
Figure 1 - Site Location Map
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Appendix A - Field Data Sheets
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PROFESSIONAL CERTIFICATION

This report has been prepared under the guidance and review of the following individuals.


for Kasey L. Jones
Project Manager


Henry B. Ames, P.G.
Supervising Geologist



Summary of Monitoring and Sampling Activities
Thrifty Oil Co. Station #049
First Quarter 2012
Reporting Period: 01/01/2012 through 03/31/2012

Site Information:

Site address:	TOC SS #049 (ARCO #9535) 3400 San Pablo Avenue Oakland, CA
Global ID No.:	T0600101365
EDF Confirmation No.:	6818967700
Lead Agency No.:	Local #RO0000004
Lead Agency:	Alameda County Health Care Services (ACHCS)
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:	March 16, 2012
Date(s) sampled:	March 16, 2012
Groundwater wells gauged:	8
Groundwater wells sampled:	8
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Purge water contained in 55-gallon drums
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):	2.78 to 4.42
Groundwater elevation (feet above mean sea level):	26.73 to 30.02
Groundwater gradient and flow direction:	Variable; mainly westerly
Consistent with previous quarter:	Varies slightly from previous sampling period

Groundwater Conditions:

TPHg concentration (ug/L):	ND<6.6 to 20,600 (MW-3)
Benzene concentration (ug/L):	ND<0.18 to 40 (MW-1)
Toluene concentration (ug/L):	ND<0.24 to 7,600 (MW-3)
Ethyl benzene concentration (ug/L):	ND<0.21 to 130 (MW-1)
Total Xylenes concentration (ug/L):	ND<0.45 to 220 (MW-1)
MTBE concentration (ug/L):	ND<0.19 to 59 (MW-3)
DIPE concentration (ug/L):	ND<0.2 (all wells)
ETBE concentration (ug/L):	ND<0.23 (all wells)
TAME concentration (ug/L):	ND<0.19 (all wells)
TBA concentration (ug/L):	ND<5.2 to 140 (MW-3)

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 on 1,691 mg/kg average soil concentration)

Remediation Activity (2):

System type:	Mobile HVDPE
Period Conducted	March 2010 and August/September 2010
Operation this Quarter (hrs):	0
Cumulative Operation (hrs):	840
GW removed this Quarter (gals):	0
Cumulative GW removed (gals):	25,349 (included in GWPT system gallonage below)
Vapor Phase Hydrocarbons removed this Quarter (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 Quarter (hrs.):	0
Cumulative Operation (hrs.):	NA
GW discharge this Quarter (gal.):	NA
Total GW discharge (gal.):	2,684,436 (as of 4/28/2011)

Total Remediation Achievements through March 31, 2012:

Total groundwater removed (gals):	2,684,436
Total pounds of hydrocarbon removed (lbs):	5,821.37

Site Description

The former Thrifty Oil Co. Station #049 site is currently an ARCO-branded retail fueling facility located on the northeast corner of San Pablo Avenue and 34th Street in Oakland, California (**Figure 1**). The site facilities consist of two underground storage tanks, associated product piping and dispensers and a convenience store. The adjacent property, located immediately north of the subject site, is Shell Station #13-9619 (ACHCS LUST Case No. RO0000006).

Recent Site History

In March 2010, a five day multi-phase extraction/high-vacuum dual-phase extraction (MPE/HVDPE) event was performed at the site. Approximately 12,840 gallons of groundwater and 510.40 pounds of hydrocarbons (as vapor) were removed. The findings were presented in the *Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* (Workplan), which was submitted to the ACHCS on April 21, 2010.

In August and September 2010, a 30-day mobile HVDPE event was performed at the site. Approximately 12,869 gallons of groundwater and 1,613.97 pounds of hydrocarbons (as vapor) were removed. The very low vapor concentrations at the conclusion of the event indicate that asymptotic conditions have been reached and those insignificant hydrocarbon mass remains beneath the site. *The High Vacuum Dual Phase Extraction (HVDPE) Report*, dated September 13, 2010, was submitted to the ACHCS.

The groundwater extraction system (GWPT) was shut down on September 27, 2010 in order to conduct a rebound test. Second Semester 2010 groundwater samples were collected on October 20, 2010 and the GWPT system was re-started on October 27, 2010.

On November 30, 2010 two onsite confirmation soil borings (SB-1 and SB-2) and two off-site confirmation borings (SB-3 and SB-4) were installed and sampled. *Verification Sampling and Downgradient Groundwater Investigation Report Recommendation for Low Risk Regulatory Closure* (Report) dated December 27, 2010, was submitted to the ACHCS on January 11, 2011. 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 0.0052 milligrams per kilogram [mg/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 12 micrograms per liter ($\mu\text{g/L}$) MTBE from boring SB-4. Based upon the results of the site assessment activities as well as the results of historical groundwater data, low risk regulatory closure was requested for this site.

On January 26, 2011, Thrifty emailed Paresh Khatri of the ACHCS requesting case closure based upon the 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 result 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 shut down. The groundwater remediation system had pumped and treated a cumulative total of 2,684,436 gallons of groundwater as of April 28, 2011 (**Table 4**).

On June 15, 2011, Thrifty emailed the completed case closure summary form to Paresh Khatri of the ACHCS.

In a letter dated February 23, 2012, ACHCS approved the termination of groundwater remediation efforts and requested that quarterly groundwater monitoring and sampling be initiated for one hydrologic cycle, beginning in the first quarter 2012.

Groundwater Monitoring

As mentioned above, Thrifty shutdown the groundwater extraction unit on April 28, 2011 and the groundwater system has remained off since that date. As requested in the ACHCS letter dated February 23, 2012, the wells are to be monitored and sampled on a quarterly basis for one hydrologic cycle. The monitoring well locations are presented on **Figure 2**. On March 16, 2012, Stratus Environmental, Inc. (Stratus) monitored and sampled the eight on site groundwater monitoring wells (MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-6, MW-7, and RW-1R). A groundwater elevation contour map for the First Quarter 2012 is presented on **Figure 2**. Groundwater elevation data indicates a generally westerly flow direction at a gradient of approximately 0.03 feet per foot.

The current groundwater elevation map shows the Thrifty site to be essentially cross-gradient of the Shell site. Historical groundwater flow directions reported in groundwater contour maps have consistently shown the Thrifty Station to be downgradient or cross-gradient of the Shell Station.

Quarterly Groundwater Sampling

On March 16, 2012, Stratus gauged the depth to water and obtained groundwater samples from the eight monitoring wells. The groundwater samples were transported, in a chilled state, following strict Chain-of-Custody procedures, to a state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPHg) in accordance with EPA Method 8015B. The samples were also analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert butyl ether (MTBE), and other oxygenates in accordance with EPA Method 8260B. The current groundwater gauging and analytical results are included in **Table 1**. A summary of historical analytical sampling results for TPHg, BTEX, and MTBE is provided in **Table 2** and additional oxygenates in **Table 3**. Copies of the Stratus Field Data Sheets are provided in **Appendix A**. Stratus' groundwater sampling procedures are included in **Appendix B**. A copy of the laboratory analytical report is contained in **Appendix C**.

TPHg, benzene, MTBE, and tertiary butyl alcohol (TBA) isoconcentration maps are presented on **Figures 3, 4, 5, and 6**, respectively. Concentrations of TPHg were reported in six of the eight wells with concentrations ranging from 1,080 to 20,600 µg/L. Benzene was reported in wells MW-1 (40 µg/L), MW-2R (2.2 µg/L), MW-3 (38 µg/L), MW-4R (1.8 µg/L), MW-7 (20 µg/L) and MW-1R (2.2 µg/L). MTBE was reported in six of the eight sampled wells at concentrations ranging from 3.4 to 59 µg/L. TBA was reported in wells MW-1, MW-2R, RW-1R, and MW-3 at concentrations of 18 µg/L, 32 µg/L, 11 µg/L, and 140 µg/L, respectively. The oxygenates DIPE, ETBE, and TAME were not detected in the samples collected during the first quarter 2012 sampling event. None of the analytes tested for were detected in either of the two wells (MW-5 and MW-6) located on the eastern portion of the site.

Based on the available groundwater analytical data, the concentrations of TPHg and BTEX have decreased at the former remediation wells (MW-2R, MW-4R, and RW-1R). The concentrations of MTBE and TBA at these three locations increased slightly, to maximum values of 29 µg/L and 32 µg/L, respectively.

At outlying wells MW-1 and MW-7 (located hydraulically up gradient [to the east and northeast] of the remediation wells, the concentrations of TPHg and BTEX increased since the last sampling event. The concentrations of MTBE and TBA also increased slightly, to maximum values of 6.2 µg/L and 18 µg/L, respectively.

At outlying well MW-3 (located hydraulically cross gradient [to the north] of the remediation wells), the concentrations of TPHg and BTEX increased significantly since the last sampling event. The concentrations of MTBE and TBA also increased to maximum values of 59 µg/L and 140 µg/L, respectively. The increased hydrocarbon concentrations in this well are possibly due to an unauthorized release in the dispenser area by the current operator at the site (ARCO) and/or migration of contamination from the Shell site onto the Thrifty site. This conclusion is supported by the historical laboratory results of groundwater samples collected from MW-3 (see **Table 2**).

Discussion and Request for Low-Risk Closure

As previously reported, the results of the site assessment activities conducted on November 30, 2010, 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. The main constituents of concern (benzene, MTBE, and TBA) are at generally low to moderate concentrations and the previous remedial activities have significantly reduced the hydrocarbon mass at this site. The identified contamination will continue to diminish through natural attenuation and the site poses very little to no threat to human health or the environment. Therefore, Thrifty has respectfully requested low risk regulatory closure for this site.

Although the ACHCS has requested continued groundwater monitoring activities, it should be noted that groundwater monitoring activities have been conducted on a regular basis for over 20 years. Based upon the results of the site assessment activities as well as the results of historical groundwater data, low risk regulatory closure should be granted for this site.

Closing Comments

Interpretations expressed herein are based solely upon data collected and provided by Stratus and Associated Laboratories. Should you have any questions regarding this report or require any additional information, please contact Henry Ames at (714) 622-3912.

TABLE 1
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)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	DIA (inches)	SCREEN (feet)
MW-1	ACT	03/16/12	1,560	40	11	130	220	29	<0.2	<0.23	<0.19	18	NP	3.54	17.71	0.00	31.55	28.01	2"	5 - 25
MW-2R	ACT	03/16/12	1,200	2.2	<0.24	29	9.4	12	<0.2	<0.23	<0.19	32	NP	3.09	16.78	0.00	30.49	27.40	4"	5 - 20
MW-3	ACT	03/16/12	20,600	38	7,600	25	6.9	59	<0.2	<0.23	<0.19	140	NP	4.42	24.13	0.00	31.15	26.73	2"	5 - 25
MW-4R	ACT	03/16/12	1,080	1.8	<0.24	15	7.8	8.0	<0.2	<0.23	<0.19	<5.2	NP	2.78	19.62	0.00	30.23	27.45	4"	5 - 20
MW-5	ACT	03/16/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.2	<0.23	<0.19	<5.2	NP	3.10	13.74	0.00	32.30	29.20	2"	4 - 14
MW-6	ACT	03/16/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.2	<0.23	<0.19	<5.2	NP	3.12	13.06	0.00	33.14	30.02	2"	4 - 14
MW-7	ACT	03/16/12	1,500	20	1.5 J	4.0 J	<0.45	6.2	<0.2	<0.23	<0.19	<5.2	NP	3.96	13.50	0.00	31.61	27.65	4"	4 - 14
RW-1R	ACT	03/16/12	1,420	2.2	<0.24	27	64	3.4	<0.2	<0.23	<0.19	11	NP	3.09	19.07	0.00	30.59	27.50	4"	5 - 20

NOTE: ACT Groundwater well currently used for monitoring INACT Groundwater well is NOT included in monitoring program DRY Groundwater well is dry and cannot be sampled NOACC Presently no access to groundwater well DEST Well has been properly destroyed, no longer a conduit to subsurf. AB Groundwater well is abandoned, but not yet destroyed	TPHg = Total Petroleum Hydrocarbons as gasoline TPHd = Total Petroleum Hydrocarbons as diesel B = Benzene T = Toluene E = Ethylbenzene X = Total Xylenes	MTBE = Methyl-tert-butyl ether DIPE = Isopropyl ether ETBE = Ethyl-tert-butyl ether TAME = Tert-amyl methyl ether TBA = Tertiary butyl alcohol	DTP = Depth To Product DTW = Depth To Water DTB = Depth To Bottom PT = Product Thickness GW = Groundwater	" - " = Not analyzed / Not available " < " = Less than detection level indicated " J " = Flag indicating value between MDL & PQL NP = No free product
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TABLE 2
GROUNDWATER DATA
THRIFTY OIL STATION #049, OAKLAND, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-1 (cont.)											
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
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	NP	3.54	0.00	31.55	28.01

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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
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											

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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	-	-
04/18/07	896	<0.32	<0.10	<0.24	117	49	NP	7.60	0.00	30.49	23.67
07/18/07	2,290	106	3.7 J	2.2 J	160	146	NP	5.62	0.00	30.49	22.89
10/17/07	313	<0.18	5.9	1.6 J	20	162	NP	3.41	0.00	30.49	24.87
01/16/08	77	<0.18	<0.24	<0.21	<0.45	105	NP	4.51	0.00	30.49	27.08
04/22/08	30,300	165	3,660	2,060	11,400	<19	NP	7.59	0.00	30.49	25.98
07/16/08	15,100	62	600	186	1,280	148	NP	5.26	0.00	30.49	22.90
10/15/08	291	12	<0.24	<0.21	1.1 J	263	NP	4.52	0.00	30.49	25.23
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-3 (Cont.)											
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
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	1.2 J	<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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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
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											

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL.BENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-4R											
Screen Interval = 5 to 20 feet											
Casing Diameter = 4 inches											
02/03/04							-		-	-	-
04/08/04	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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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
10/0/92	-	-	-	-	-	-	NP	8.78	0.00	98.85	90.07
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-5 (Cont.)											
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
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	28.13
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.06	0.00	32.30	28.24
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	30.23	27.45

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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
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	3.86	0.00	99.67	95.81
07/10/03	1,670	<0.22	<0.32	<0.31	<0.4	509	NP	5.31	0.00	99.67	94.36
10/20/03	1,320	<0.04	<0.02	<0.02	<0.06	*656 / 662	NP	5.30	0.00	99.67	94.37
01/14/04	272	<0.04	<0.02	<0.02	<0.06	*304 / 180	NP	3.82	0.00	99.67	95.85
04/08/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.18	0.00	99.67	94.49
07/21/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	6.42	0.00	99.67	93.25
10/20/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.62	0.00	99.67	94.05
01/19/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.40	0.00	99.67	94.27
04/20/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	5.41	0.00	99.67	94.26

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-6 (Cont.)											
07/20/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	4.07	0.00	99.67	95.60
10/19/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	3.86	0.00	99.67	95.81
01/24/06	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	5.20	0.00	99.67	94.47
04/19/06	78	<0.32	<0.10	<0.24	<0.30	201	NP	3.87	0.00	99.67	95.80
07/19/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	6.54	0.00	99.67	93.13
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	2.7 J	<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	5.42	0.00	33.14	27.72
10/21/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.60	0.00	33.14	27.54
04/21/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	4.75	0.00	33.14	28.39
10/20/10	<6.6	<0.18	1.7 J	<0.21	2.5 J	<0.19	NP	5.40	0.00	33.14	27.74
01/19/11	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	5.38	0.00	33.14	27.76
03/16/12	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	3.12	0.00	33.14	30.02

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-7											
Screen Interval = 4 to 14 feet											
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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-7 (Cont.)											
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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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	-	-	-	-	-	-	-	-	-	-	-
04/15/99	-	-	-	-	-	-	-	-	-	-	-
07/26/99	4,400	<3.0	<3.0	<3.0	<5.0	*6,800 / 9,000	NP	13.10	0.00	-	-
10/13/99	-	-	-	-	-	-	NP	13.83	0.00	-	-
01/20/00	-	-	-	-	-	-	-	-	-	-	-
04/05/00	-	-	-	-	-	-	NP	13.22	0.00	-	-
07/19/00	-	-	-	-	-	-	-	-	-	-	-
10/18/00	-	-	-	-	-	-	NP	13.25	0.00	-	-
01/17/01	-	-	-	-	-	-	NP	11.14	0.00	-	-
04/19/01	-	-	-	-	-	-	NP	11.12	0.00	-	-
07/18/01	-	-	-	-	-	-	-	-	-	-	-
10/10/01	-	-	-	-	-	-	NP	11.20	0.00	-	-
01/30/02	-	-	-	-	-	-	NP	11.20	0.00	-	-
04/17/02	-	-	-	-	-	-	NP	12.30	0.00	-	-
07/31/02	-	-	-	-	-	-	NP	14.30	0.00	-	-
11/14/02	-	-	-	-	-	-	NP	14.21	0.00	-	-
01/29/03	-	-	-	-	-	-	NP	14.13	0.00	-	-
04/23/03	-	-	-	-	-	-	NP	13.12	0.00	-	-
07/10/03	-	-	-	-	-	-	-	No Access	-	-	-
10/20/03	-	-	-	-	-	-	-	No Access	-	-	-
WELL ABANDONED 01/2004											

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet bgs)	DEPTH TO GROUNDWATER (feet bgs)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet MSL)	GROUNDWATER ELEVATION (feet MSL)
	TPHg (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYLBENZENE (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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	NP	4.76	0.00	-	-
07/21/04	118	<0.22	<0.32	<0.31	<0.4	107	NP	6.85	0.00	-	-
10/20/04	29,900	3,850	4,010	381	1,920	103	NP	4.28	0.00	-	-
01/19/05	13,400	272	243	24 J	2,230	2,110	NP	4.54	0.00	-	-
04/20/05	1,220	<0.22	<0.32	<0.31	<0.4	1,580	NP	4.95	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	30.59	23.76
04/18/07	13,000	<16	2,230	121 J	5,070	92	NP	7.22	0.00	30.59	23.37
07/18/07	3,930	90	64	291	437	117	NP	5.76	0.00	30.59	24.83
10/17/07	993	<0.18	22	4.7 J	85	108	NP	4.93	0.00	30.59	25.66
01/16/08	1,990	14	5.6	33	99	108	NP	4.56	0.00	30.59	26.03
04/22/08	22,400	330	2,350	517	3,250	15	NP	7.23	0.00	30.59	23.36
07/16/08	5,140	35	315	94	761	3.0	NP	5.65	0.00	30.59	24.94
10/15/08	2,430	71	3.5 J	<0.21	35	179	NP	4.55	0.00	30.59	26.04
01/21/09	75	<0.18	<0.24	<0.21	<0.45	128	NP	4.57	0.00	30.59	26.02
04/15/09	2,740	33	395	89	514	61	NP	4.56	0.00	30.59	26.03
10/21/09	16,400	124	920	358	2,250	5.1	NP	4.30	0.00	30.59	26.29
04/21/10	1,570	18	<1.2	<1.05	276	24	NP	3.92	0.00	30.59	26.67
10/20/10	49,000	425	7,260	2,700	15,900	<19.0	NP	4.55	0.00	30.59	26.04
01/19/11	8,420	180	1,390	158	1,270	<1.9	NP	4.53	0.00	30.59	26.06
03/16/12	1,420	2.2	<0.24	27	64	3.4	NP	3.09	0.00	30.59	27.50
NOTE:											
TPHg = Total petroleum hydrocarbons as gasoline											
MTBE = Methyl tertiary butyl ether											
ug/L = Micrograms per liter											
feet bgs = Feet below ground surface											
feet MSL - Feet at mean sea level											
NP = No free hydrocarbon product											
- = Not analyzed / Not available											
* MTBE 8020 / 8260											
J = Flag indicating value between MDL and PQL											
							Analysis:				
							TPHg 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, & 3/16/12 BTEX and MTBE analyzed by 8260B				
Information prior to March 16, 2012 supplied by Thrifty Oil, Inc.											

TABLE 3
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	-	-
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						

**TABLE 3
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-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	-	-
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	<52.0	-	-
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	-	-
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	-	-

**TABLE 3
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-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	-	-
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	-	-

TABLE 3
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-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	-	-

**TABLE 3
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-6						
11/14/02	<0.2	<0.12	<0.16	<10	-	-
01/29/03	-	-	-	-	-	-
04/23/03	-	-	-	-	-	-
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	-	-
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	-	-
03/16/12	<0.2	<0.23	<0.19	<5.2	-	-

**TABLE 3
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 # 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	-	-
<p>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</p>						
<p>Analysis: DIPE, ETBE, TAME, TBA analyzed by EPA Method 8260B</p>						
<p><i>Information prior to March 26, 2012, provided by Thrifty Oil, Inc.</i></p>						

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	<0.9	-	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	-
12/23/91	5,516	4,206	4	-	<0.5	<0.5	<0.5	<0.5	-	4,000	2,200	290	5,900	-

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
12/30/91	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	-
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	-

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
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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

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
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	334,286	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					-	-	-	-	-	-
06/14/00	11,132	291,188	6	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<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)					-	-	-	-	-	-

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
07/24/00	411	291,829	59	<50	<0.3	<0.3	<0.3	<0.6	205	<0.3	1	<0.3	<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					-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

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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
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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

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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
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	-	-	-	-	-	-	-	-	-	-	-
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			-	-	-	-	-	-	-	-

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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
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)					
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	-	-	-	-	-	-	-	-	-	-	-

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
03/07/06	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
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	-	-	-	-	-	-	-	-	-	-	-

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
11/16/06	59,010	1,614,406	32	-	-	-	-	-	-	-	-	-	-	-
11/22/06	59,100	1,614,496	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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	416,000	3,330	49,400	7,250	39,700	<19
06/28/07	77,690	1,633,086	57	-	-	-	-	-	-	-	-	-	-	-
07/03/07	80,230	1,635,626	508	-	-	-	-	-	-	-	-	-	-	-
07/10/07	86,310	1,641,706	869	-	-	-	-	-	-	-	-	-	-	-

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
07/17/07	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	89,620	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	-	-	-	-	-	-	-	-	-	-	-	-
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	251	<0.18	<0.24	1.8 J	6.1	138
11/30/07	154,320	1,709,716	1,447	-	-	-	-	-	-	-	-	-	-	-
12/04/07	154,400	1,709,796	20	-	-	-	-	-	-	-	-	-	-	-
12/14/07	164,210	1,719,606	981	-	-	-	-	-	12,400	302	2170	853	5090	<1.9
12/21/07	167,300	1,722,696	441	-	-	-	-	-	-	-	-	-	-	-
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	793	31	32	16	46	63
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	-	-	-	-	-	-	-	-	-	-	-
02/05/08	195,150	1,750,546	738	-	-	-	-	-	444	2.4	137	21	100	84
02/15/08	195,570	1,750,966	42	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

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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
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	4,520	16	<0.24	<0.21	1040	6.6
05/01/08	245,000	1,800,396	1,375	-	-	-	-	-	-	-	-	-	-	-
05/06/08	254,850	1,810,246	1,970	-	-	-	-	-	-	-	-	-	-	-
05/13/08	258,100	1,813,496	464	-	-	-	-	-	29,200	219	3,130	913	4,860	<3.8
05/20/08	267,970	1,823,366	1,410	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	19,700	78	416	210	1,120	5.9
07/08/08	300,310	1,855,706	924	<6.6	<0.15	3.0	0.6	3.4	20,100	526	3,160	607	3,220	52
07/15/08	302,720	1,858,116	344	SHUT DOWN SYSTEM FOR QWS				-	-	-	-	-	-	-
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	-	-	-	-	-	8,430	95	705	259	1,340	21
08/22/08	326,970	1,882,366	493	-	-	-	-	-	-	-	-	-	-	-
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				-	335	21	4.5 J	<0.21	7.1	185
10/21/08	380,730	1,936,126	4	RESTARTED AFTER QWS				-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
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	35
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	-	-	-	-	-	-	-	-	-	-	-

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
01/08/09	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	-	-	-	-	-	<6.6	<0.18	<0.24	<0.21	1.0 J	<0.19
04/27/09	547,630	2,103,026	1,248	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
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	Split-sample results during EBMUD inspection & sampling					
08/13/09	-	-	-	-	<0.51	<0.51	<0.41	<1.3 / <0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
08/19/09	639,790	2,195,186	727	-	-	-	-	-	-	-	-	-	-	-
08/26/09	647,390	2,202,786	1,086	-	-	-	-	-	-	-	-	-	-	-

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
09/02/09	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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-

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
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	-	-	-	-	-	829	3.0	125	2.1	134	6.5
07/29/10	978,400	2,533,796	1,260	-	-	-	-	-	-	-	-	-	-	-
08/03/10	986,380	2,541,776	1,596	System shutdown for pilot test			-	-	1260	32	124	28	141	97
09/08/10	999,270	2,554,666	358	System Restarted			-	-	<6.6	<0.23	<0.23	<0.26	<0.18	<0.42
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			-	-	-	-	-	-	-	-
10/05/10	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	-	-	-	-	-	477	2.4	8.5	0.9	26	19
12/21/10	1,013,910	2,569,306	736	-	-	-	-	-	-	-	-	-	-	-
12/30/10	1,014,790	2,570,186	98	-	-	-	-	-	-	-	-	-	-	-
01/04/11	1,019,310	2,574,706	904	-	-	-	-	-	-	-	-	-	-	-
01/11/11	1,025,520	2,580,916	887	-	-	-	-	-	-	-	-	-	-	-
01/13/11	1,026,750	2,582,146	615	-	-	-	-	-	149,000	1,880	24,000	4,430	37,500	<1.9
01/19/11	1,031,010	2,586,406	710	System shutdown for water sampling.			-	-	-	-	-	-	-	-
01/20/11	1,031,080	2,586,476	70	System Restarted after water sampling.			-	-	-	-	-	-	-	-
01/25/11	1,033,760	2,589,156	536	-	-	-	-	-	-	-	-	-	-	-
02/01/11	1,042,370	2,597,766	1,230	-	-	-	-	-	57,800	1,080	13,700	2,230	11,000	<19.0
02/08/11	1,048,890	2,604,286	931	-	-	-	-	-	-	-	-	-	-	-

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
02/16/11	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:

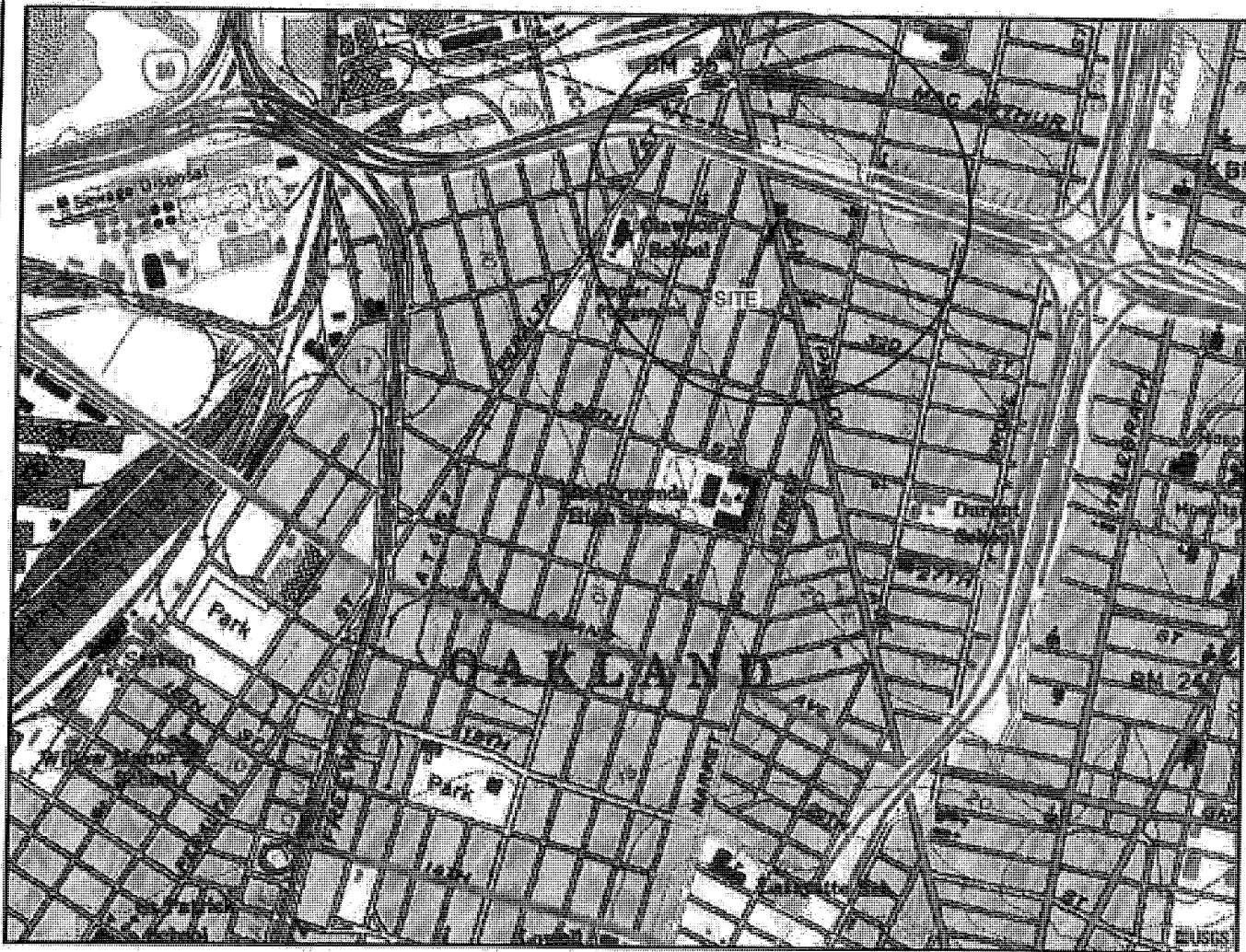
- < = less than laboratory detection level indicated
- = no sample / not analyzed
- NE = Permit Limit not established

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.

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



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 OAKLAND, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1978



QUADRANGLE LOCATION



APPROXIMATE SCALE

STRATUS
 ENVIRONMENTAL, INC.

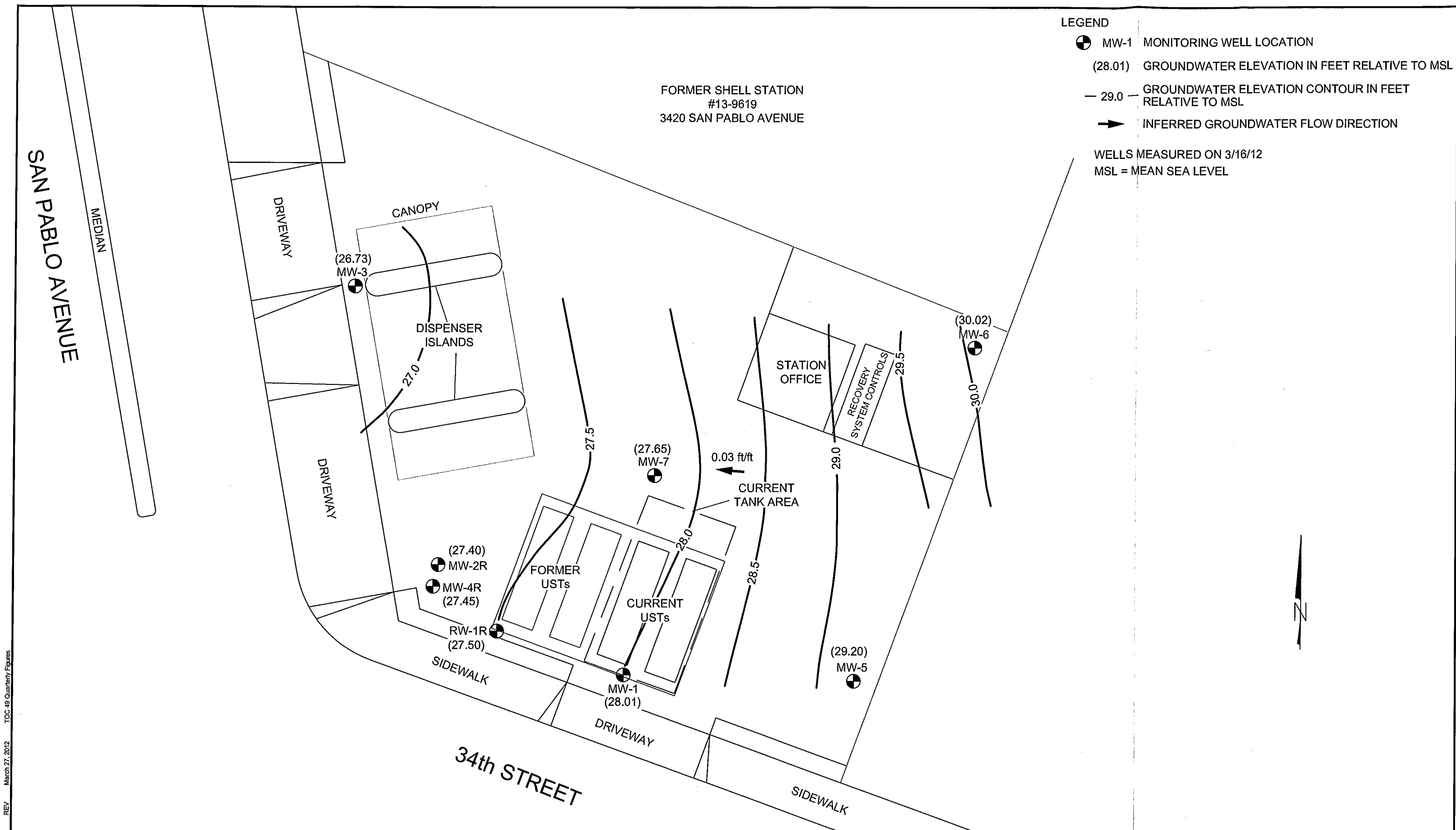
THRIFTY OIL CO. NO. 49
 3400 SAN PABLO AVENUE
 OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE

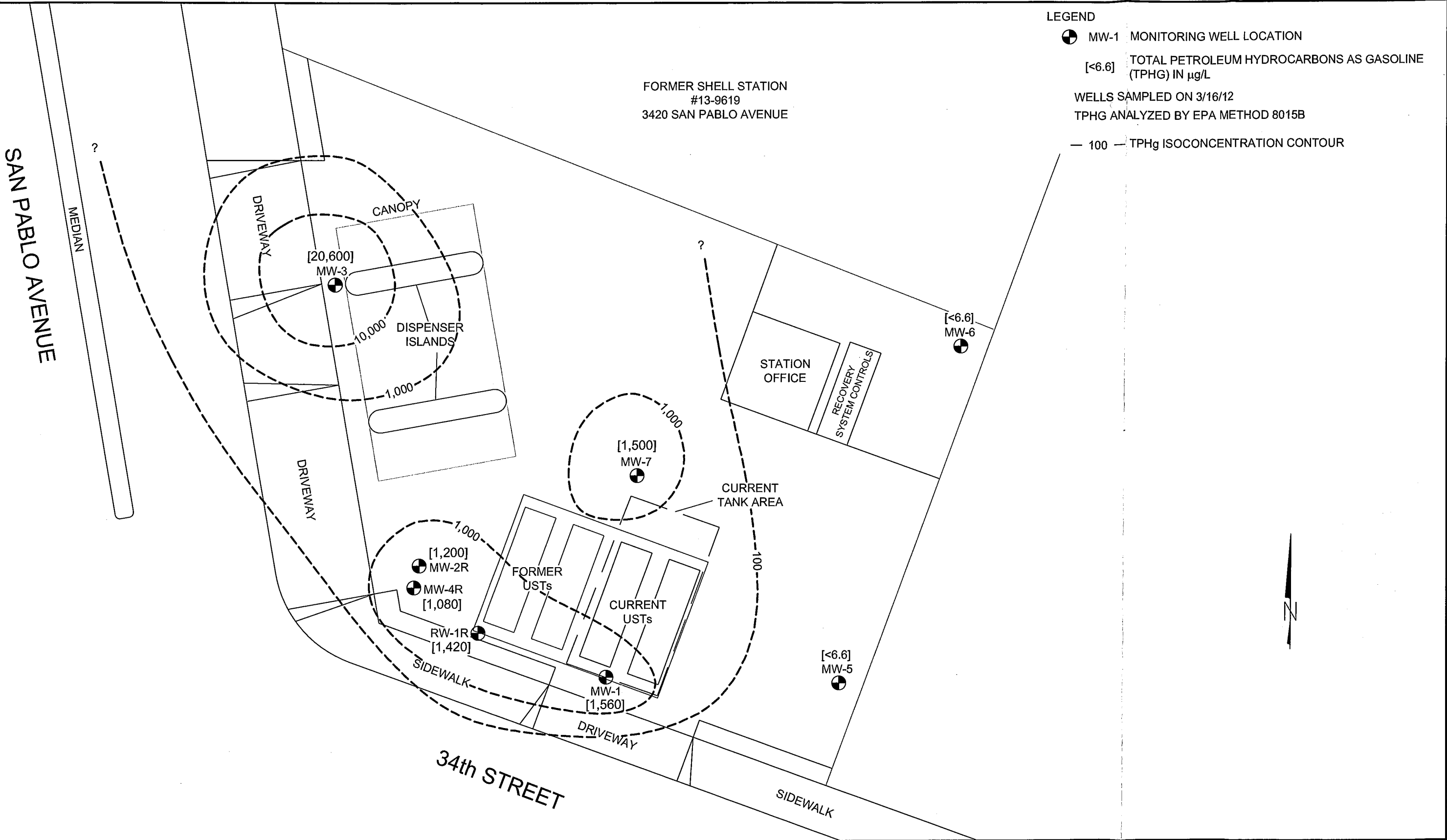
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PROJECT NO.
 2150-0049-01

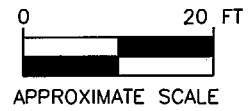


Thriftly Oil Co. No. 49 Quarterly Figures
REV March 27, 2012 TOC 49 Quarterly Figures

GROUNDWATER ELEVATION CONTOUR MAP
1st QUARTER 2012



Thrift Oil Co. No. 49 Quarterly Figures
REV March 27, 2012
JMP

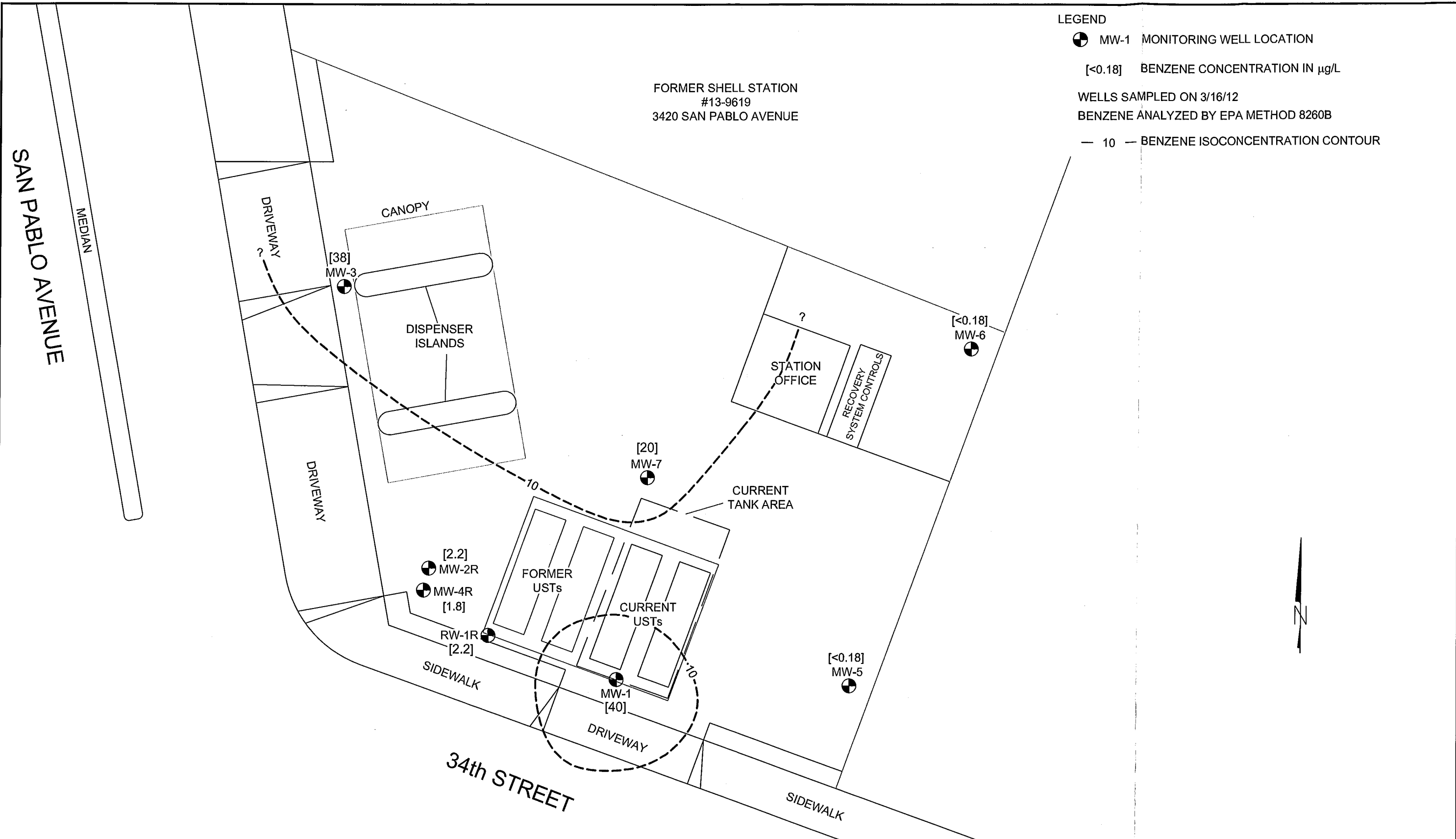


THRIFTY OIL CO. NO. 49
3400 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

TPHG ISO-CONCENTRATION CONTOUR MAP
1st QUARTER 2012

FIGURE
3
PROJECT NO.
2150-0049-01

Thriftly Oil Co. No. 49 Quarterly Figures TOC 49 Quarterly Figures REV March 27, 2012 JNP



SAN PABLO AVENUE

MEDIAN

DRIVEWAY

DRIVEWAY

CANOPY

DISPENSER ISLANDS

FORMER SHELL STATION
#13-9619
3420 SAN PABLO AVENUE

STATION OFFICE

RECOVERY
SYSTEM CONTROLS

CURRENT
TANK AREA

FORMER
USTs

CURRENT
USTs

34th STREET

SIDEWALK

SIDEWALK

DRIVEWAY

[59]
MW-3

[12]
MW-2R

[8.0]
MW-4R

[3.4]
RW-1R

[6.2]
MW-7

[29]
MW-1

[<0.19]
MW-6

[<0.19]
MW-5

LEGEND

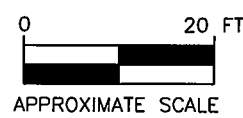
● MW-1 MONITORING WELL LOCATION

[<0.19] METHYL TERTIARY BUTYL ETHER (MTBE) IN $\mu\text{g/L}$

WELLS SAMPLED ON 3/16/12

MTBE ANALYZED BY EPA METHOD 8260B

— 10 — MTBE ISOCONCENTRATION CONTOUR



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

MTBE ISO-CONCENTRATION CONTOUR MAP
1st QUARTER 2012

FIGURE
5

PROJECT NO.
2150-0049-01

STRATUS
ENVIRONMENTAL, INC.

SAN PABLO AVENUE

MEDIAN

DRIVEWAY

DRIVEWAY

DISPENSER ISLANDS

CANOPY

FORMER SHELL STATION
#13-9619
3420 SAN PABLO AVENUE

STATION
OFFICE

RECOVERY
SYSTEM CONTROLS

CURRENT
TANK AREA

FORMER
USTs

CURRENT
USTs

SIDEWALK

DRIVEWAY

SIDEWALK

34th STREET

LEGEND

● MW-1 MONITORING WELL LOCATION

[<5.2] TERTIARY BUTYL ALCOHOL (TBA) IN $\mu\text{g/L}$

WELLS SAMPLED ON 3/16/12

TBA ANALYZED BY EPA METHOD 8260B

— 10 — TBA ISOCONCENTRATION CONTOUR



[140]
MW-3

[<5.2]
MW-6

[<5.2]
MW-7

[<5.2]
MW-5

[32]
MW-2R

[<5.2]
MW-4R

[11]
RW-1R

[18]
MW-1

Thrifty Oil Co. No. 49 Quarterly Figures
REV March 27, 2012
JMP

STRATUS
ENVIRONMENTAL, INC.

0 20 FT
APPROXIMATE SCALE

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

TBA ISO-CONCENTRATION CONTOUR MAP
1st QUARTER 2012

FIGURE
6

PROJECT NO.
2150-0049-01

Appendix A

Field Data Sheets

Site Address 3400 San Pablo AveCity Oakland

Sampled By: _____

Signature CHILL

ORIGINAL

Thrifty Oil #049

Project Number 1030-0049-01Project PM Kasey JonesDATE 3/16/12

Well ID <u>MW 1</u>					Well ID <u>MW 3</u>				
Purge start time			Odor <u>(Y)</u> N		Purge start time			Odor <u>(Y)</u> N	
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>0525</u>	<u>15.4</u>	<u>7.27</u>	<u>281</u>	time	<u>0548</u>	<u>16.4</u>	<u>6.51</u>	<u>665</u>
time	<u>0531</u>	<u>16.2</u>	<u>6.93</u>	<u>393</u>	time	<u>0554</u>	<u>18.0</u>	<u>6.48</u>	<u>689</u>
time	<u>0535</u>	<u>16.3</u>	<u>6.90</u>	<u>409</u>	time	<u>0557</u>	<u>18.1</u>	<u>6.45</u>	<u>692</u>
time					time				
purge stop time <u>1:67 DO</u>			ORP <u>264</u>		purge stop time <u>2:85 DO</u>			ORP <u>284</u>	
Well ID <u>MW 7</u>					Well ID <u>MW-5</u>				
Purge start time			Odor <u>(Y)</u> N		Purge start time			Odor <u>(Y)</u> N	
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>0613</u>	<u>16.4</u>	<u>6.91</u>	<u>754</u>	time	<u>0639</u>	<u>14.7</u>	<u>6.81</u>	<u>787</u>
time	<u>0620</u>	<u>16.7</u>	<u>6.85</u>	<u>762</u>	time	<u>0645</u>	<u>15.0</u>	<u>6.57</u>	<u>682</u>
time					time	<u>0650</u>	<u>15.4</u>	<u>6.50</u>	<u>628</u>
time					time				
purge stop time <u>2:62 DO</u>			ORP <u>239</u>		purge stop time <u>3:18 DO</u>			ORP <u>205</u>	
Well ID <u>MW 2R</u>					Well ID <u>MW 4R</u>				
Purge start time			Odor <u>(Y)</u> N		Purge start time <u>0741</u>			Odor <u>(Y)</u> N	
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>0702</u>	<u>16.1</u>	<u>6.43</u>	<u>411</u>	time	<u>0742</u>	<u>16.7</u>	<u>6.38</u>	<u>311</u>
time	<u>0717</u>	<u>16.2</u>	<u>6.49</u>	<u>420</u>	time	<u>0744</u>	<u>16.9</u>	<u>6.53</u>	<u>318</u>
time	<u>0725</u>	<u>16.1</u>	<u>6.47</u>	<u>425</u>	time	<u>0745</u>	<u>17.7</u>	<u>6.48</u>	<u>342</u>
time					time	<u>0752</u>	<u>17.7</u>	<u>6.47</u>	<u>339</u>
purge stop time <u>1:18 DO</u>			ORP <u>248</u>		purge stop time <u>0755</u>			ORP <u>260</u>	
Well ID <u>RW-1R</u>					Well ID <u>MW 6</u>				
Purge start time <u>0747</u>			Odor <u>(Y)</u> N		Purge start time			Odor <u>Y</u> N	
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	<u>0748</u>	<u>12.0</u>	<u>6.25</u>	<u>361</u>	time	<u>0847</u>	<u>14.4</u>	<u>6.67</u>	<u>366</u>
time	<u>0750</u>	<u>16.6</u>	<u>6.35</u>	<u>383</u>	time	<u>0850</u>	<u>15.1</u>	<u>6.73</u>	<u>420</u>
time					time	<u>0855</u>	<u>15.5</u>	<u>6.69</u>	<u>448</u>
time					time				
purge stop time <u>1:14 DO</u>			ORP <u>215</u>		purge stop time			ORP <u>169</u>	

Appendix B

Sampling and Analyses Procedures

APPENDIX B

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconformants, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1- percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.
- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

Appendix C

Laboratory Analytical Report



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
Comments: 3400 San Pablo Avenue, Oakland
Global ID: T0600101365

Lab Request: 301281
Report Date: 03/27/2012
Date Received: 03/20/2012
Client ID: 8871

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

<u>Sample #</u>	<u>Client Sample ID</u>
301281-001	TOC#049 MW-1
301281-002	TOC#049 MW-2R
301281-003	TOC#049 MW-3
301281-004	TOC#049 MW-4R
301281-005	TOC#049 MW-5
301281-006	TOC#049 MW-6
301281-007	TOC#049 MW-7
301281-008	TOC#049 RW-1R
301281-009	TOC#049 TRIP BLANKS

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Sample #: 301281-001 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-1
 Collect Date: 03/16/12 Site:
 Collect Time: 08:23 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B			QCBatchID: QC1124480			
TPH Gasoline	1560	1	6.6	50	ug/L	03/21/12	lyt

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

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

Method: EPA 8260B	Prep Method: EPA 5030B			QCBatchID: QC1124541			
Benzene	40	1	0.18	1	ug/L	03/21/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/21/12	akk
Ethylbenzene	130	1	0.21	5	ug/L	03/21/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/21/12	akk
Methyl-t-butyl Ether (MTBE)	29	1	0.19	1	ug/L	03/21/12	akk
t-Butyl alcohol (TBA)	18	1	5.2	10	ug/L	03/21/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/21/12	akk
Toluene	11	1	0.24	5	ug/L	03/21/12	akk
Xylenes (Total)	220	1	0.45	5	ug/L	03/21/12	akk

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

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	126	70-145
4-Bromofluorobenzene (SUR)	101	70-145
Dibromodifluoromethane (SUR)	95	70-145
Toluene-d8 (SUR)	105	70-145

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



Sample #: 301281-002 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-2R
 Collect Date: 03/16/12 Site:
 Collect Time: 08:00 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124480		

TPH Gasoline	1200	1	6.6	50	ug/L	03/21/12	lyt
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Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	130	60-140

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124583
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Benzene	2.2	1	0.18	1	ug/L	03/23/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/23/12	akk
Ethylbenzene	29	1	0.21	5	ug/L	03/23/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/23/12	akk
Methyl-t-butyl Ether (MTBE)	12	1	0.19	1	ug/L	03/23/12	akk
t-Butyl alcohol (TBA)	32	1	5.2	10	ug/L	03/23/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/23/12	akk
Toluene	ND	1	0.24	5	ug/L	03/23/12	akk
Xylenes (Total)	9.4	1	0.45	5	ug/L	03/23/12	akk

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

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	132	70-145
4-Bromofluorobenzene (SUR)	107	70-145
Dibromodifluoromethane (SUR)	96	70-145
Toluene-d8 (SUR)	103	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 301281 Page 3 of 10



Sample #: 301281-003 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-3
 Collect Date: 03/16/12 Site:
 Collect Time: 08:40 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124480		
TPH Gasoline	20600	10	66	500	ug/L	03/21/12	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B				QCBatchID: QC1124541		
Benzene	38	1	0.18	1	ug/L	03/21/12	akk
Di-Isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/21/12	akk
Ethylbenzene	25	1	0.21	5	ug/L	03/21/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/21/12	akk
Methyl-t-butyl Ether (MTBE)	59	1	0.19	1	ug/L	03/21/12	akk
t-Butyl alcohol (TBA)	140	1	5.2	10	ug/L	03/21/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/21/12	akk
Toluene	7600	100	24	500	ug/L	03/23/12	akk
Xylenes (Total)	6.9	1	0.45	5	ug/L	03/21/12	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	131	70-145
4-Bromofluorobenzene (SUR)	100	70-145
Dibromodifluoromethane (SUR)	94	70-145
Toluene-d8 (SUR)	106	70-145

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



Sample #: 301281-004 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-4R
 Collect Date: 03/16/12 Site:
 Collect Time: 08:08 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124480		

TPH Gasoline	1080	1	6.6	50	ug/L	03/21/12	lyt
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Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	114	60-140

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124650
Benzene	1.8	1
Di-isopropyl ether (DIPE)	ND	1
Ethylbenzene	15	1
Ethyl-tertbutylether (ETBE)	ND	1
Methyl-t-butyl Ether (MTBE)	8.0	1
t-Butyl alcohol (TBA)	ND	1
Tert-amylmethylether (TAME)	ND	1
Toluene	ND	1
Xylenes (Total)	7.8	1

Benzene	1.8	1	0.18	1	ug/L	03/24/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/24/12	akk
Ethylbenzene	15	1	0.21	5	ug/L	03/24/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/24/12	akk
Methyl-t-butyl Ether (MTBE)	8.0	1	0.19	1	ug/L	03/24/12	akk
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	03/24/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/24/12	akk
Toluene	ND	1	0.24	5	ug/L	03/24/12	akk
Xylenes (Total)	7.8	1	0.45	5	ug/L	03/24/12	akk

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	136	70-145
4-Bromofluorobenzene (SUR)	99	70-145
Dibromodifluoromethane (SUR)	95	70-145
Toluene-d8 (SUR)	97	70-145

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

ASSOCIATED LABORATORIES

Analytical Results Report

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Sample #: 301281-005 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-5
 Collect Date: 03/16/12 Site:
 Collect Time: 06:55 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124480		
TPH Gasoline	ND	1	6.6	50	ug/L	03/21/12	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124650						
Benzene	ND	1	0.18	1	ug/L	03/24/12	akk	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/24/12	akk	
Ethylbenzene	ND	1	0.21	5	ug/L	03/24/12	akk	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/24/12	akk	
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	03/24/12	akk	
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	03/24/12	akk	
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/24/12	akk	
Toluene	ND	1	0.24	5	ug/L	03/24/12	akk	
Xylenes (Total)	ND	1	0.45	5	ug/L	03/24/12	akk	

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	129	70-145
4-Bromofluorobenzene (SUR)	100	70-145
Dibromodifluoromethane (SUR)	100	70-145
Toluene-d8 (SUR)	103	70-145

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



Sample #: 301281-006 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-6
 Collect Date: 03/16/12 Site:
 Collect Time: 09:25 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124480		

TPH Gasoline	ND	1	6.6	50	ug/L	03/21/12	lyt
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Surrogates for Method EPA 8015B By Prep Method EPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	90	60-140

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124583
Benzene	ND	1
Di-isopropyl ether (DIPE)	ND	1
Ethylbenzene	ND	1
Ethyl-tertbutylether (ETBE)	ND	1
Methyl-t-butyl Ether (MTBE)	ND	1
t-Butyl alcohol (TBA)	ND	1
Tert-amylmethylether (TAME)	ND	1
Toluene	ND	1
Xylenes (Total)	ND	1

Benzene	ND	1	0.18	1	ug/L	03/23/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/23/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	03/23/12	akk
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L	03/23/12	akk
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L	03/23/12	akk
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	03/23/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/23/12	akk
Toluene	ND	1	0.24	5	ug/L	03/23/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	03/23/12	akk

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

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	126	70-145
4-Bromofluorobenzene (SUR)	106	70-145
Dibromodifluoromethane (SUR)	102	70-145
Toluene-d8 (SUR)	104	70-145

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

ASSOCIATED LABORATORIES

Analytical Results Report

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Sample #: 301281-007 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 MW-7
 Collect Date: 03/16/12 Site:
 Collect Time: 08:35 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124560		
TPH Gasoline	1500	1	6.6	50	ug/L	03/21/12	lyt

Surrogates for Method EPA 8015B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
4-Bromofluorobenzene (SUR)	118	60-140

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124541						
Benzene	20	1	0.18	1	ug/L	03/21/12	akk	
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/21/12	akk	
Ethylbenzene	4.0 J	1	0.21	5	ug/L	03/21/12	akk	
Ethyl-tertbuylether (ETBE)	ND	1	0.23	1	ug/L	03/21/12	akk	
Methyl-t-butyl Ether (MTBE)	6.2	1	0.19	1	ug/L	03/21/12	akk	
t-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L	03/21/12	akk	
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/21/12	akk	
Toluene	1.5 J	1	0.24	5	ug/L	03/21/12	akk	
Xylenes (Total)	ND	1	0.45	5	ug/L	03/21/12	akk	

Surrogates for Method EPA 8260B By Prep MethodEPA 5030B

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	130	70-145
4-Bromofluorobenzene (SUR)	97	70-145
Dibromodifluoromethane (SUR)	97	70-145
Toluene-d8 (SUR)	100	70-145

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



Sample #: 301281-008 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 RW-1R
 Collect Date: 03/16/12 Site:
 Collect Time: 08:15 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B		QCBatchID: QC1124560				
TPH Gasoline	1420	1	6.6	50	ug/L	03/21/12	lyt

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

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

Method: EPA 8260B	Prep Method: EPA 5030B		QCBatchID: QC1124583				
Benzene	2.2	1	0.18	1	ug/L	03/23/12	akk
Di-isopropyl ether (DIPE)	ND	1	0.2	1	ug/L	03/23/12	akk
Ethylbenzene	27	1	0.21	5	ug/L	03/23/12	akk
Ethyl-terbutylether (ETBE)	ND	1	0.23	1	ug/L	03/23/12	akk
Methyl-t-butyl Ether (MTBE)	3.4	1	0.19	1	ug/L	03/23/12	akk
t-Butyl alcohol (TBA)	11	1	5.2	10	ug/L	03/23/12	akk
Tert-amylmethylether (TAME)	ND	1	0.19	1	ug/L	03/23/12	akk
Toluene	ND	1	0.24	5	ug/L	03/23/12	akk
Xylenes (Total)	64	1	0.45	5	ug/L	03/23/12	akk

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

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	132	70-145
4-Bromofluorobenzene (SUR)	110	70-145
Dibromodifluoromethane (SUR)	99	70-145
Toluene-d8 (SUR)	105	70-145

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



Sample #: 301281-009 Client: Thrifty Oil Company
 Matrix: Water Client Sample #: TOC#049 TRIP BLANKS
 Collect Date: 03/16/12 Site:
 Collect Time: 09:15 Collector: client

Compound	Result	DF	MDL	RDL	Units	Analysis Date	Analyst
Method: EPA 8015B	Prep Method: EPA 5030B				QCBatchID: QC1124560		

TPH Gasoline	ND	1	6.6	50	ug/L	03/21/12	lyt
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Surrogates for Method EPA 8015B By Prep Method EPA 5030B

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

Method: EPA 8260B	Prep Method: EPA 5030B	QCBatchID: QC1124541
Benzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Xylenes (Total)	ND	1

Benzene	ND	1	0.18	1	ug/L	03/21/12	akk
Ethylbenzene	ND	1	0.21	5	ug/L	03/21/12	akk
Toluene	ND	1	0.24	5	ug/L	03/21/12	akk
Xylenes (Total)	ND	1	0.45	5	ug/L	03/21/12	akk

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

Analytes	Percent Recovery	Control Limits
1,2-Dichloroethane-d4 (SUR)	128	70-145
4-Bromofluorobenzene (SUR)	99	70-145
Dibromodifluoromethane (SUR)	95	70-145
Toluene-d8 (SUR)	98	70-145

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

ASSOCIATED LABORATORIES

Analytical Results Report

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ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301281

QCBatchID: QC1124480 Created By: lytagas Method: EPA 8015B
 Matrix: Water Created Date: 03/20/12 Instrument VOA-GC (group)

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

QCLabID: QC1124480LCS1, QC1124480LCSD						Analysis Date: 03/20/12				
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	483	498	ug/L	97	100	3	70-130	0-30

QCLabID: QC1124480MB1 **BLANK SUMMARY**
 Analysis Date: 03/20/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301281

QCBatchID: QC1124541

Created By: ryanp

Method: EPA 8260B

Matrix: Water

Created Date: 03/22/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID QC1124541MS1, QC1124541MSD1

Source Sample #: 301281-001

Analysis Date: 03/22/12

Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD
1,1-Dichloroethene	ND	50	50	53	52	ug/L	106	104	1.9	59-172	22
Benzene	40	50	50	90	89	ug/L	100	98	1.1	62-137	24
Chlorobenzene	ND	50	50	49	50	ug/L	98	100	2.0	60-133	24
Methyl-t-butyl Ether (MTBE)	29	50	50	83	84	ug/L	108	110	1.2	62-137	21
Toluene	11	50	50	61	64	ug/L	100	106	4.8	59-139	21
Trichloroethene	ND	50	50	50	52	ug/L	100	104	3.9	66-142	21

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

QCLabID: QC1124541LCS1

Analysis Date: 03/22/12

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

QCLabID: QC1124541MB1

BLANK SUMMARY

Analysis Date: 03/22/12

Analyte	Blank Results	Units
All Analytes are ND		

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

ASSOCIATED LABORATORIES

Analytical Results Report



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301281

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

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

QCLabID: QC1124560LCS1, QC1124560LCSD

Analysis Date: 03/21/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
TPH Gasoline	500	500	624	625	ug/L	125	125	0	70-130	0-30

QCLabID: QC1124560MB1

BLANK SUMMARY

Analysis Date: 03/21/12

Analyte	Blank Results	Units
All Analytes are ND		

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



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301281

QCBatchID: QC1124583

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 03/23/12

Instrument VOA-MS (group)

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

QCLabID: QC1124583LCS1, QC1124583LCSD

Analysis Date: 03/23/12

Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50	50	46	46	ug/L	92	92	0	59-172	0-22
Benzene	50	50	45	47	ug/L	90	94	4	62-137	0-24
Chlorobenzene	50	50	47	49	ug/L	94	98	4	60-133	0-24
Methyl-t-butyl Ether (MTBE)	50	50	45	49	ug/L	90	98	9	62-137	0-21
Toluene	50	50	48	49	ug/L	96	98	2	59-139	0-21
Trichloroethene	50	50	46	48	ug/L	92	96	4	66-142	0-21

QCLabID: QC1124583MB1

BLANK SUMMARY

Analysis Date: 03/23/12

Analyte	Blank Results	Units
All Analytes are ND		

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 301281 Page 4 of 5



ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST 301281

QCBatchID: QC1124650

Created By: akk

Method: EPA 8260B

Matrix: Water

Created Date: 03/26/12

Instrument VOA-MS (group)

**Matrix Spike/Matrix Spike Duplicate
Summary**

QCLabID QC1124650MS1, QC1124650MSD1		Source Sample #: 301523-001					Analysis Date: 03/26/12				
Analyte	Sample Amount	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
		MS	MSD	MS	MSD		%MS	%MSD	RPD	%Rec	%RPD
1,1-Dichloroethene	ND	50	50	43	46	ug/L	86	92	6.7	59-172	22
Benzene	ND	50	50	45	44	ug/L	90	88	2.2	62-137	24
Chlorobenzene	ND	50	50	45	39	ug/L	90	78	14.3	60-133	24
Methyl-t-butyl Ether (MTBE)	ND	50	50	43	47	ug/L	86	94	8.9	62-137	21
Toluene	ND	50	50	46	41	ug/L	92	82	11.5	59-139	21
Trichloroethene	ND	50	50	44	40	ug/L	88	80	9.5	66-142	21

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

QCLabID: QC1124650LCS1					Analysis Date: 03/26/12					
Analyte	Spike Amount		Spike Result		Units	% Recoveries			Acceptance Criteria	
	LCS	LCSD	LCS	LCSD		%LCS	%LCSD	RPD	%Rec	%RPD
1,1-Dichloroethene	50		48		ug/L	96			59-172	-
Benzene	50		48		ug/L	96			62-137	-
Chlorobenzene	50		52		ug/L	104			60-133	-
Methyl-t-butyl Ether (MTBE)	50		50		ug/L	100			62-137	-
Toluene	50		52		ug/L	104			59-139	-
Trichloroethene	50		50		ug/L	100			66-142	-

QCLabID: QC1124650MB1

Analysis Date: 03/26/12

BLANK SUMMARY

Analyte	Blank Results	Units
All Analytes are ND		

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





ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: TOL
Date Received: 3-20-12
Sample(s) received in cooler: Yes
Shipping Information: _____

Project: _____
Sampler's Name: Yes No
No (Skip Section 2)

Section 2

Was the cooler packed with: X Ice _____ Ice Packs _____ Bubble Wrap _____ Styrofoam
_____ Paper _____ None _____ Other _____
Cooler or box temperature: 5°C

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

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

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

Section 4

Explanations/Comments

Section 5

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

Completed By: [Signature] Date: 3-20-12

Log-in Reviewed by: _____ Date: _____

ASSOCIATED LABORATORIES

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


Chain of Custody Record

Lab Job No. 301281
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY: <u>Thrifty Oil Co.</u>	PROJECT NAME: <u>TOC # 049</u>		
SEND REPORT TO: <u>Jeff Suryakusuma</u>	NUMBER: <u>049</u>		
EMAIL:	ADDRESS: <u>3400 San Pablo Ave.</u>		
ADDRESS: <u>13468 Imperial Hwy.</u>	<u>Oakland, CA</u>		
<u>Santa Fe Springs, CA 90676</u>	P.O. #:		
PHONE: <u>(562) 921-3681</u>	SAMPLED BY:		

REQUIRED TURN AROUND TIME: Standard: (X) No
72 Hours: (X) 48 Hours: 24 Hours:

Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST	GLOBAL I.D.
1 MW-1	3-16-12	0823	AR	6-V	NCL	XX	Global I.D. TO600101365 (Needs EDF) Test Instructions & Comments Please also email lab report & EDF to Kasey Jones at Status: <u>Kasey.jones@statusinc.net</u> & Renee Scherr @ <u>rscherr@statusinc.net</u>
2 MW-2R		0800	AR	6-V	NCL	XX	
3 MW-3		0840	AR	6-V	NCL	XX	
4 MW-4R		0808	AR	6-V	NCL	XX	
5 MW-5		0635	AR	6-V	NCL	XX	
6 MW-6		0925	AR	6-V	NCL	XX	
7 MW-7		0835	AR	6-V	NCL	XX	
8 RW-1R	3-16-12	0815	AR	6-V	NCL	XX	
9							
10							
11							
12							
13 Trip Blank	3-16-12	0915	AR	4-V	NCL	XX	
14							
15							

Total No. of Samples: 8

Method of Shipment:

Preservative: 1=Ice 2=HCl 3=HNO₃ 4=H₂SO₄ 5=NaOH 6=Other

Relinquished by		Received By:		Relinquished by		Received By:		Relinquished by		Received By:	
1.		1.		2.		2.		3.		3.	
Signature: <u>[Signature]</u>		Signature: <u>[Signature]</u>		Signature:		Signature:		Signature:		Signature:	
Printed Name: <u>CHILL</u>		Printed Name: <u>Phong Tran</u>		Printed Name:		Printed Name:		Printed Name:		Printed Name:	
Date: <u>3-16-12</u> Time: <u>1600</u>		Date: <u>3-20-12</u> Time: <u>10:05</u>		Date:		Date:		Date:		Date:	