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Alameda County
Environmental Health

THRIFTY OIL CO.

June 9, 2010

O.104020

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

Local #RO0000005
RWQCB #01-1479

**Re: Former Thrifty Oil Co. Station #063
6125 Telegraph Avenue
Oakland, California 94502**

**Subject: 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**

Dear Mr. Plunkett:

The enclosed *High Vacuum Dual Phase Extraction (HVDPE) Report* dated May 24, 2010 and prepared by CalClean Inc. (CalClean) (**Attachment A**) summarizes the results of the continuous 5-Day (24-hour/Day) mobile HVDPE event (HVDPE Event) conducted between May 3 and 8, 2010 at Thrifty Oil Co. (Thrifty) Station No. 063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). The HVDPE event was conducted in accordance with the *Remedial Action Workplan, Five Consecutive (24-hour/day) Day Multi-Phase Extraction Event (RAWP)* dated September 2, 2008 and the *Notification of Intent to Proceed with the Proposed Five Consecutive (24-hour/day) Multi-Phase Extraction Event* letter dated February 9, 2010.

The 5-day HVDPE event was conducted on one on-site well (MW-4) using a low noise, truck mounted 450-CFM high vacuum liquid ring blower along with a Bay Area Air Quality Management District (BAAQMD) various locations permitted, propane-fired, thermal oxidizer (Plant # 12568).

Laboratory analytical results of the total inlet vapor samples (well MW-4 was the only extraction point used during the HVDPE event) collected at the beginning (05/03/10) and at the end of the 5-Day HVDPE event (05/08/10) indicate a significant decrease in concentrations of TPHg, benzene, MTBE, and TBA as shown in **Table 1** below:



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Table 1: TOTAL INLET VAPOR SAMPLE RESULTS DURING THE 5-Day HVDPE:

Sample ID	Constituent	Date of sampling and results in (ppmv)	
		Beginning of HVDPE (05/03/10)	End of HVDPE (05/08/10)
Inlet	TPHg	547	207
	Benzene	3.26	0.698
	MTBE	1.62	0.186
	TBA	4.79	1.37

Laboratory analytical results of the groundwater samples collected before the initiation of the 5-day HVDPE event (05/03/10), at the midway point of the HVDPE (05/06/10) and at the end of the HVDPE event (05/08/10) show an increase in final TPHg, benzene, MTBE and TBA concentrations when compared to initial concentrations suggesting that the HVDPE event was effective in drawing contaminated groundwater to the southwestern corner of the site and immediately south of the site toward the extraction well (MW-4).

Table 2 below shows the evolution of groundwater concentrations before, at the beginning and at the end of the 5 day DPE event:

Table 2: COMPARATIVE GROUNDWATER SAMPLE RESULTS:

Well ID	Constituent	Date of Sampling and results in ($\mu\text{g/L}$)			Comments
		Prior HVDPE (05/03/10)	Midway Point of HVDPE (05/06/10)	End of HVDPE (05/08/10)	
MW-4	TPHg	1,960	6,100	4,410	Significant increase explained by the TPHg plume being drawn toward the extraction well
	B	48	21	84	Slight increase explained by the benzene plume being drawn toward the extraction well
	MTBE	39	71	90	Slight increase explained by the MTBE plume being drawn toward the extraction well
	TBA	316	1,200	870	Slight increase explained by the TBA plume being drawn toward the extraction well

During the HVDPE event, approximately 5,720 gallons of groundwater and 15.80 pounds of hydrocarbons (as vapor) were removed. The extracted groundwater was treated by the onsite groundwater treatment system and the extracted vapors were destroyed by the mobile thermal oxidizer. The hydrocarbon removal rate over the 5-days was approximately 0.13 pounds per hour which is a relatively low extraction rate. As discussed in the following section of this report and evident from the results of the First Semester 2010 groundwater sampling event, the HVDPE event was effective in reducing dissolved hydrocarbon concentrations in several monitoring wells and remediating the residual vapor phase hydrocarbon plume at the site.

GROUNDWATER CONDITIONS PRIOR TO AND AFTER THE 5-DAY HVDPE EVENT

A groundwater elevation contour map based on the Second Semester 2009 monitoring data is presented in **Figure 2**. Groundwater elevation data indicates a generally northwesterly flow direction at a gradient of 0.0444 feet/feet.

As part of the ongoing groundwater-monitoring program, Earth Management Company (EMC) obtained groundwater samples from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 on **December 14, 2009** (Second Semester 2009) and **May 19, 2010** (First Semester 2010) and a comparison of these two sampling events is presented in the **Summary Table**. A summary of historical analytical sampling results for TPHg, BTEX, and MTBE is provided in **Table 1A** and additional oxygenates in **Table 2A**.

TPHg, benzene, MTBE, and tertiary butyl alcohol (TBA) isoconcentration maps were prepared using the results of the **December 14, 2009** sampling event, and results are presented in **Figures 3, 4, 5, and 6**, respectively. Laboratory results for the groundwater samples collected on December 14, 2009 indicate that the highest concentrations of TPHg and benzene were detected in well MW-4 at 65,000 micrograms per liter ($\mu\text{g/L}$) and 384 $\mu\text{g/L}$, respectively. TBA was detected in only one well, MW-3 at 25 $\mu\text{g/L}$. MTBE and all other oxygenated compounds were not detected at or above laboratory detection limits in any of the wells.

First Semester 2010 groundwater samples were collected on **May 19, 2010** and following the HVDPE event and laboratory results for the groundwater samples indicate that the highest concentrations of TPHg and MTBE were detected in well MW-7 at 3,360 micrograms per liter ($\mu\text{g/L}$) and 12 $\mu\text{g/L}$, respectively. The highest concentration of benzene and TBA were detected in well MW-4 at 50 $\mu\text{g/L}$ and 50 $\mu\text{g/L}$, respectively. All other oxygenated compounds were not detected at or above laboratory detection limits in any of the wells. The First Semester 2010 isoconcentration maps were prepared using the results of the **May 19, 2010** groundwater sampling event and are presented in **Figures 3A, 4A, 5A, and 6A**.

When comparing the results of the Second Semester 2009 sampling event and the First Semester 2010 event, in general there has been a significant decrease for all constituents in all the wells associated with the site. Thrifty believes that the HVDPE was effective in

removing contaminated groundwater and some of the residual vapor phase contamination from the subsurface soils. Therefore, Thrifty recommends conducting an additional continuous 30-Day (24-hour/Day) mobile HVDPE event. A workplan presenting the scope of work to be conducted during the proposed additional continuous 30-Day (24-hour/Day) HVDPE event is presented below.

CONTINUOUS THIRTY DAY (24 HOURS/ DAY) MOBILE HIGH VACUUM DUAL-PHASE EXTRACTION EVENT WORKPLAN

Thrifty recommends conducting up to a continuous 30-Day (24-hour/Day) mobile HVDPE event, to remediate the residual hydrocarbons in soil and groundwater beneath the site.

In addition to the recently-completed 5-day HVDPE event, extensive remediation has been conducted at the site, including approximately 19 years of active groundwater extraction (over 3,305,500 gallons of groundwater treated) and approximately 977 tons of contaminated soils excavated and removed from the site in 1998 during UST removal activities. We estimate that the remaining mass of hydrocarbons at approximately 200 pounds or less. Given the low hydrocarbon removal rate of approximately 0.13 lbs/hour during the May 2010 HVDPE event, and the low ending TPHg concentrations (207 ppmv), Thrifty believes that asymptotic conditions have nearly been reached.

Therefore, if during the proposed additional 30-day HVDPE event, the data indicates that this remedial action method has reduced groundwater and vapor concentrations to levels acceptable for closure or if hydrocarbon removal rates are so low as to not be cost effective, the 30-day event will be terminated as warranted.

The estimated cost for the proposed 30-Day HVDPE event is:

- Equipment and labor = \$44,700
- Laboratory costs = \$3,608
- Reporting costs = \$750

Total estimated cost = \$49,058

The following section outlines the procedures and laboratory analysis that will be completed during the proposed 30-Day HVDPE event. A mobile high-vacuum dual-phase extraction (HVDPE) rig, supplied by CalClean of Tustin, California, will be used during the event. The HVDPE rig specifications include a liquid-ring pump capable of extracting vapors at 450 cubic feet per minute (cfm), with available vacuum to 29 inches of mercury (in Hg). The HVDPE rig is equipped with a liquid knockout pot having an automatic transfer pump, manual and automatic dilution air control, a high-vacuum blower (powered by a separate mobile generator), and a propane fired thermal oxidizer for destruction of extracted vapors.

30-Day HVDPE Event Procedure

HVDPE will be conducted extracting from well MW-4 using CalClean's HVDPE rig and down-well stinger to extract soil vapors and liquids from the formation. The well will be sealed at the surface to prevent intrusion of atmospheric air, and the stinger will be set approximately 6-inches above the bottom of the extraction wells in order to maximize exposure of the formation to vapor extraction. Groundwater will be simultaneously extracted to the surface and separated by an in-line water knockout vessel.

The wellhead vacuums, extracted vapor and liquid flow rates, and vapor concentration (as measured with a Horiba PID, calibrated to 100 parts per million volume [ppmV]) hexane were measured periodically from each extraction well during their respective tests. The total depth of the stinger below the water table was also recorded.

- Influent vapor concentrations in well MW-4 will be measured (using a PID calibrated with hexane gas) at the beginning of the HVDPE event and every 4-hours during the HVDPE event. Other parameters such as manifold applied vacuum (inches of Hg), system flow rate (scfm), system flow temperature (degrees Fahrenheit), and wellhead vacuum will also be recorded every four hours.

- Vapor samples will be collected from well MW-4 one hour after start up of the HVDPE event and every five days thereafter (with results due within 72-hours). The vapor samples (collected in tedlar bags) will be sent to Associated Laboratories to be analyzed for TPHg using Method 8015 Modified, and for BTEX, MTBE, and other oxygenates using EPA Method 8260B. If TPHg concentrations decrease to below 100 ppmv for two consecutive sampling events, the HVDPE event will be terminated.

- Influent groundwater samples will be collected from extraction well MW-4 one hour after start up of the HVDPE event and every five days thereafter (with results due within 72-hours). The groundwater samples will be sent to Associated Laboratories to be analyzed for petroleum hydrocarbons as gasoline using Method 8015 Modified, and for BTEX, MTBE, and other oxygenates using EPA Method 8260B. Groundwater depth is to be measured in the extraction wells and observation wells before starting the HVDPE event and at the mid-point and end of each day. A stinger will be installed in extraction wells at a depth that will maximize exposure of the formation and the well head is to be sealed to prevent the intrusion of atmospheric air. Stinger depth is to be recorded.

- Vacuum drawdown and depth to water will be measured in all observation wells (MW-1, MW-3, MW-7, and MW-8) at the beginning, mid-point, and end of each day of the event. Vacuum responses will be measured and recorded at the beginning of the HVDPE event and every 4-hours for the duration of the test.

The depth to groundwater will be measured before starting the HVDPE event and at the end of each day in the observation wells.

All non-hazardous liquids that are generated during the mobile HVDPE events at the site will be temporarily stored in poly tanks, and then treated and discharged through the existing onsite groundwater discharge system in accordance with East Bay Municipal Utility District (EBMUD) permit No. 502-44462.

Reporting Compilation and Evaluation for Site Closure

Results of the Continuous 30-Day HVDPE event will be summarized in HVDPE Report that will be submitted to the ACHCS 30-days following the completion of field activities.



Schedule

Upon your approval, Thrifty will proceed with the proposed 30-Day HVDPE event.


If you have any questions, please call us at (562) 921-3581, Ext. 260 (Simon) or Ext. 390 (Chris).



Simon Tregurtha
Project Manager



Larry Higinbotham
Registered Geologist No. 5497



Chris Panaitescu
General Manager
Environmental Affairs

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

TABLES

**SUMMARY TABLE - Second Semester 2009 vs First Semester 2010
CURRENT PERIOD GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA, 94609
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WELL	STATUS	Monit./ Sampl. Date	ANALYTICAL PARAMETERS										MONITORING PARAMETERS				ELEVATION		WELL	
			TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	DIA (inch)	SCREEN (feet)
MW-1	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.28	28.94	0.00	148.43	134.15	2"	15 - 30
MW-1	ACT	05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.04	28.93	0.00	148.43	136.39	2"	15 - 30
MW-3	ACT	12/14/09	17,400	118	970	362	2,670	<0.19	<0.20	<0.23	<0.19	25	NP	15.45	28.20	0.00	148.94	133.49	6"	15 - 30
MW-3	ACT	05/19/10	133	<0.18	<0.24	<0.21	<0.45	5.2	<0.20	<0.23	<0.19	<5.2	NP	12.52	28.21	0.00	148.94	136.42	6"	15 - 30
MW-4	ACT	12/14/09	65,600	384	3,610	1,290	9,340	<0.19	<0.20	<0.23	<0.19	<5.2	NP	15.21	29.07	0.00	148.88	133.67	2"	9 - 29
MW-4	ACT	05/19/10	1,870	50	<0.24	105	1.8 J	10	<0.20	<0.23	<0.19	50	NP	12.40	29.20	0.00	148.88	136.48	2"	9 - 29
MW-5	ACT	12/14/09	131	2.4	14	2.6J	14	<0.19	<0.20	<0.23	<0.19	<5.2	NP	16.53	26.23	0.00	149.62	133.09	4"	7 - 27
MW-5	ACT	05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.01	26.23	0.00	149.62	135.61	4"	7 - 27
MW-6	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.55	26.80	0.00	148.38	135.83	4"	7 - 27
MW-6	ACT	05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	10.56	26.77	0.00	148.38	137.82	4"	7 - 27
MW-7	ACT	12/14/09	39,900	271	3,240	1,420	8,890	<19.0	<20.0	<23.0	<19.0	<520.0	NP	12.42	17.45	0.00	148.20	135.78	2"	8 - 18
MW-7	ACT	05/19/10	3,360	18	88	64	379	12	<0.20	<0.23	<0.19	<5.2	NP	12.56	17.44	0.00	148.20	135.64	2"	8 - 18
MW-8	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.95	18.29	0.00	147.31	134.36	2"	8 - 18
MW-8	ACT	05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	15.14	18.29	0.00	147.31	132.17	2"	8 - 18

NOTE:

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

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.65	0.00	99.34	82.69
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	18.19	0.00	99.34	81.15
01/19/06	1,380	58	<0.10	62	113	33	NP	9.37	0.00	99.34	89.97
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
07/26/06	8,850	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
01/24/07	<5.6	<0.32	3.1 J	1.2 J	6.4	<0.63	NP	13.60	0.00	148.43	134.83
04/24/07	3,090	133	3.2 J	114	116	72	NP	15.61	0.00	148.43	132.82
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.67	0.00	148.43	133.76
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.26	0.00	148.43	134.17
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.60	0.00	148.43	132.83
04/29/08	<6.6	<0.18	1.4 J	<0.21	1.4 J	<0.19	NP	16.32	0.00	148.43	132.11
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.04	0.00	148.43	133.39
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.23	0.00	148.43	134.20
01/29/09	<6.6	<0.18	1.3 J	<0.21	<0.45	<0.19	NP	14.24	0.00	148.43	134.19
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.52	0.00	148.43	132.91
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.28	0.00	148.43	134.15
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.04	0.00	148.43	136.39

MONITORING WELL #MW-2

Screen Interval = 15 to 30 feet

11/21/86	-	-	-	-	-	-	0.11	14.90	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	0.38	17.84	17.46	100.01	95.35
10/24/91	-	-	-	-	-	-	16.97	17.00	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	FILM	16.72	0.00	100.01	83.29
03/24/92	-	-	-	-	-	-	11.98	15.81	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	FILM	16.37	0.00	100.01	83.64
10/05/92	-	-	-	-	-	-	18.09	18.41	0.32	100.01	81.84
01/06/93	-	-	-	-	-	-	FILM	12.37	0.00	100.01	87.64
07/13/93	-	-	-	-	-	-	FILM	15.19	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	0.10	18.05	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	0.03	16.98	16.95	100.01	95.83
04/12/94	-	-	-	-	-	-	FILM	15.54	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	FILM	17.93	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	NP	17.20	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	NP	17.26	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.42	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	NP	10.25	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20	#N/A	-	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	17.20	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	16.20	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.18	16.26	0.08	100.01	83.81

Well Abandoned 1/30/98

MONITORING WELL #MW-3

Screen Interval = 15 to 30 feet

(GROUNDWATER SYSTEM'S PUMPING WELL)

Casing Diameter = 6 inches

11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	SHEEN	25.80	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/29/08	1,770	34	273	60	361	11	NP	16.30	0.00	148.94	132.64
07/30/08	<6.6	<0.18	<0.24	<0.21	1.9 J	<0.19	NP	15.61	0.00	148.94	133.33
10/29/08	13,500	84	1,190	615	4,080	28	NP	15.42	0.00	148.94	133.52
01/29/09	2,510	81	449	67	448	<1.9	NP	15.40	0.00	148.94	133.54
05/06/09	119	<0.18	2.3 J	2.7 J	22	10	NP	15.26	0.00	148.94	133.68
12/14/09	17,400	118	970	362	2,670	<0.19	NP	15.45	0.00	148.94	133.49
05/19/10	133	<0.18	<0.24	<0.21	<0.45	5.2	NP	12.52	0.00	148.94	136.42

MONITORING WELL #MW-4

Screen Interval = 9 to 29 feet

Casing Diameter = 2 inches

11/21/86	100,000	3,200	2,700	2,400	14,000	-	FILM	16.22	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.35	21.80	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	SHEEN	20.02	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	SHEEN	19.78	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	FILM	13.94	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	FILM	19.27	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	FILM	21.44	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	FILM	14.08	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	FILM	16.09	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	FILM	21.33	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	FILM	20.45	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	FILM	19.05	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	FILM	20.41	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	NP	19.89	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	NP	19.62	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.32	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	NP	10.80	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000	#N/A	-	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	NP	18.80	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	NP	17.76	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	NP	11.60	0.00	99.48	87.88
04/08/98	18,000	1,200	130	710	1,400	22,000	NP	10.10	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	NP	16.30	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	NP	16.90	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	*43,000 / 42,000	NP	15.35	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	*28,000 / 26,000	NP	15.30	0.00	100.48	85.18
07/14/99	8,500	<6.0	<6.0	<6.0	<10	*21,000 / 16,000	NP	18.40	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	NP	16.89	0.00	100.48	83.59
01/26/00	9,900	350	9.0	460	460	2,800	NP	12.62	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	NP	12.28	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	NP	13.81	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	NP	12.29	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	NP	12.26	0.00	100.48	88.22
01/10/01	<50	<0.18	2.0	<0.18	1.0	962	NP	10.75	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	NP	12.26	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	NP	13.80	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	NP	16.87	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7.0	8.0	1.0	1.0	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/16/03	15,800	411	15	26	14	18,200	NP	16.86	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	NP	10.69	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	135.14
04/24/07	1,840	25	<0.24	80	14	754	NP	16.67	0.00	148.88	132.21
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.44	0.00	148.88	133.44
10/24/07	106	13	<0.24	1.4 J	<0.45	44	NP	15.17	0.00	148.88	133.71
01/23/08	1,520	41	100	18	152	428	NP	16.57	0.00	148.88	132.31
04/29/08	4,340	76	498	138	817	<1.9	NP	17.58	0.00	148.88	131.30
07/30/08	1,280	28	105	26	150	<0.19	NP	16.54	0.00	148.88	132.34
10/29/08	31,500	130	1,870	926	5,510	<19	NP	15.14	0.00	148.88	133.74
01/29/09	184,000	1,620	30,600	5,250	24,000	<4.75	NP	15.15	0.00	148.88	133.73
02/16/09	42,900	525	5,570	<5.25	7,560	<4.75	NP	11.38	0.00	148.88	137.50
05/06/09	2,660	8.7	184	76	452	3.4	NP	16.53	0.00	148.88	132.35
12/14/09	65,600	384.0	3,610	1,290	9,340	<0.19	NP	15.21	0.00	148.88	133.67
05/19/10	1,870	50	<0.24	105	1.8 J	10	NP	12.40	0.00	148.88	136.48

MONITORING WELL #MW-5	Screen Interval = 7 to 27 feet						Casing Diameter = 4 inches				
	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	DEPTH TO PRODUCT	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-	#N/A	-	-	-	-
03/24/92	-	-	-	-	-	-	NP	12.98	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	17.29	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	NP	18.92	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	NP	13.12	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	NP	16.15	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	NP	18.75	0.00	100.98	82.23
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	NP	17.80	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.59	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	NP	18.26	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1.0	-	#N/A	-	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000	#N/A	-	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38

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

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

MONITORING WELL #MW-6

Screen Interval = 7 to 27 feet

Casing Diameter = 4 inches

11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
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**TABLE 1A
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/22/91	-	-	-	-	-	-	-	#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-	-	#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-	-	#N/A	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110	-	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5.0	NP	13.60	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5.0	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5.0	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5.0	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5.0	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
04/24/07	<5.6	<0.18	<0.24	<0.21	1.5 J	5.7	NP	10.63	0.00	148.38	137.75
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.04	0.00	148.38	135.34
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.53	0.00	148.38	135.85
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.70	0.00	148.38	137.68
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	11.43	0.00	148.38	136.95
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.36	0.00	148.38	135.02
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.51	0.00	148.38	135.87
01/29/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.50	0.00	148.38	135.88
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.63	0.00	148.38	137.75
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.55	0.00	148.38	135.83
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.56	0.00	148.38	137.82
MONITORING WELL #MW-7 Screen Interval = 8 to 18 feet Casing Diameter = 2 inches											
03/05/07	3,110	16	<0.10	125	725	10	NP	10.84	0.00	148.20	137.36
04/24/07	15,500	42	<2.4	381	1,230	<1.9	NP	15.03	0.00	148.20	133.17
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.03	0.00	148.20	133.17
10/24/07	1,100	72	<0.24	18	1.6 J	221	NP	14.54	0.00	148.20	133.66
01/23/08	149	<0.18	14	4.4 J	25	<0.19	NP	15.00	0.00	148.20	133.20
04/29/08	978	<0.18	4.2 J	25	165	<0.19	NP	13.14	0.00	148.20	135.06
07/30/08	181	<0.18	<0.24	<0.21	22	<0.19	NP	15.13	0.00	148.20	133.07
10/29/08	13,200	108	987	400	2,550	<0.19	NP	14.52	0.00	148.20	133.68
01/29/09	11,100	176	1,360	374	2,380	<1.9	NP	14.51	0.00	148.20	133.69
05/06/09	15,400	241	1,110	342	1,660	<1.9	NP	12.33	0.00	148.20	135.87
12/14/09	39,900	271	3,240	1,420	8,890	<19.0	NP	12.42	0.00	148.20	135.78
05/19/10	3,360	18	88	64	379	12	NP	12.56	0.00	148.20	135.64
MONITORING WELL #MW-8 Screen Interval = 8 to 18 feet Casing Diameter = 2 inches											
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.37	0.00	147.31	134.94
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.42	0.00	147.31	133.89
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.40	0.00	147.31	134.91
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.73	0.00	147.31	131.58
07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	NP	13.50	0.00	147.31	133.81
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	147.31	134.39
01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	NP	12.89	0.00	147.31	134.42
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.93	0.00	147.31	132.38
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.95	0.00	147.31	134.36
05/19/10	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.14	0.00	147.31	132.17

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

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

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

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

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

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

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

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

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

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

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

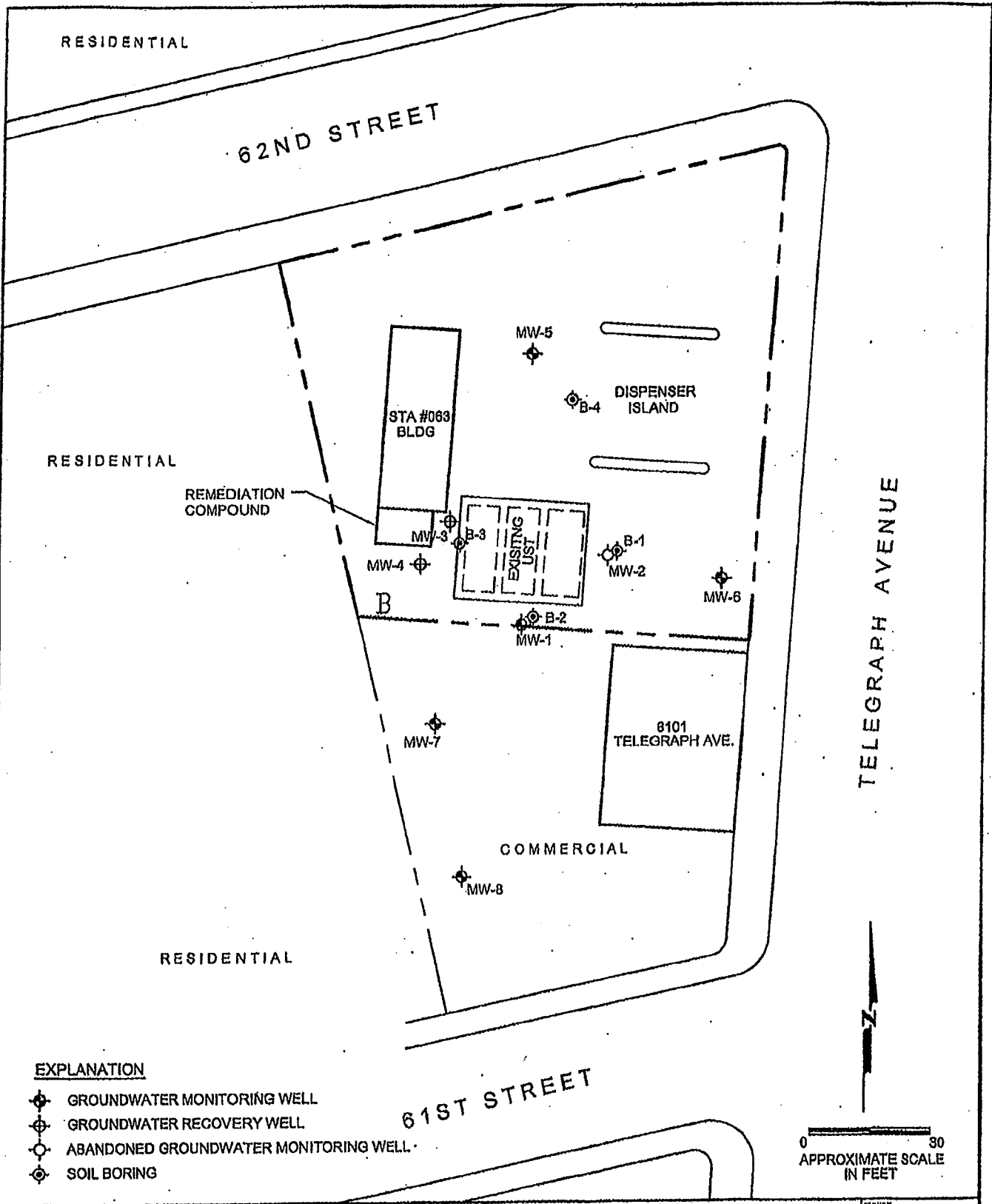
DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
MONITORING WELL # MW-4						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<2.9	<1.7	<2.8	1,340	<20	<20
01/19/06	<0.29	<0.17	<0.28	138	<20	<20
04/12/06	<0.29	<0.17	<0.28	163	<20	<20
07/26/06	<2.9	<1.7	16	836	-	-
10/25/06	<2.9	<1.7	18	1060	-	-
01/24/07	<0.29	<0.17	<0.28	139	-	-
04/24/07	<0.20	<0.23	11	776	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	62	-	-
01/23/08	<0.20	<0.23	7.3	1,520	-	-
04/29/08	<2.0	<2.3	<1.9	<100	-	-
07/30/08	<0.20	<0.23	<0.19	20	-	-
10/29/08	<20	<23	<19	<520	-	-
01/29/09	<5.0	<5.75	<4.75	<130	-	-
02/16/09	<5.0	<5.75	<4.75	<130	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
05/19/10	<0.20	<0.23	<0.19	50	-	-
MONITORING WELL # MW-5						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
05/19/10	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		

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

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

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

FIGURES



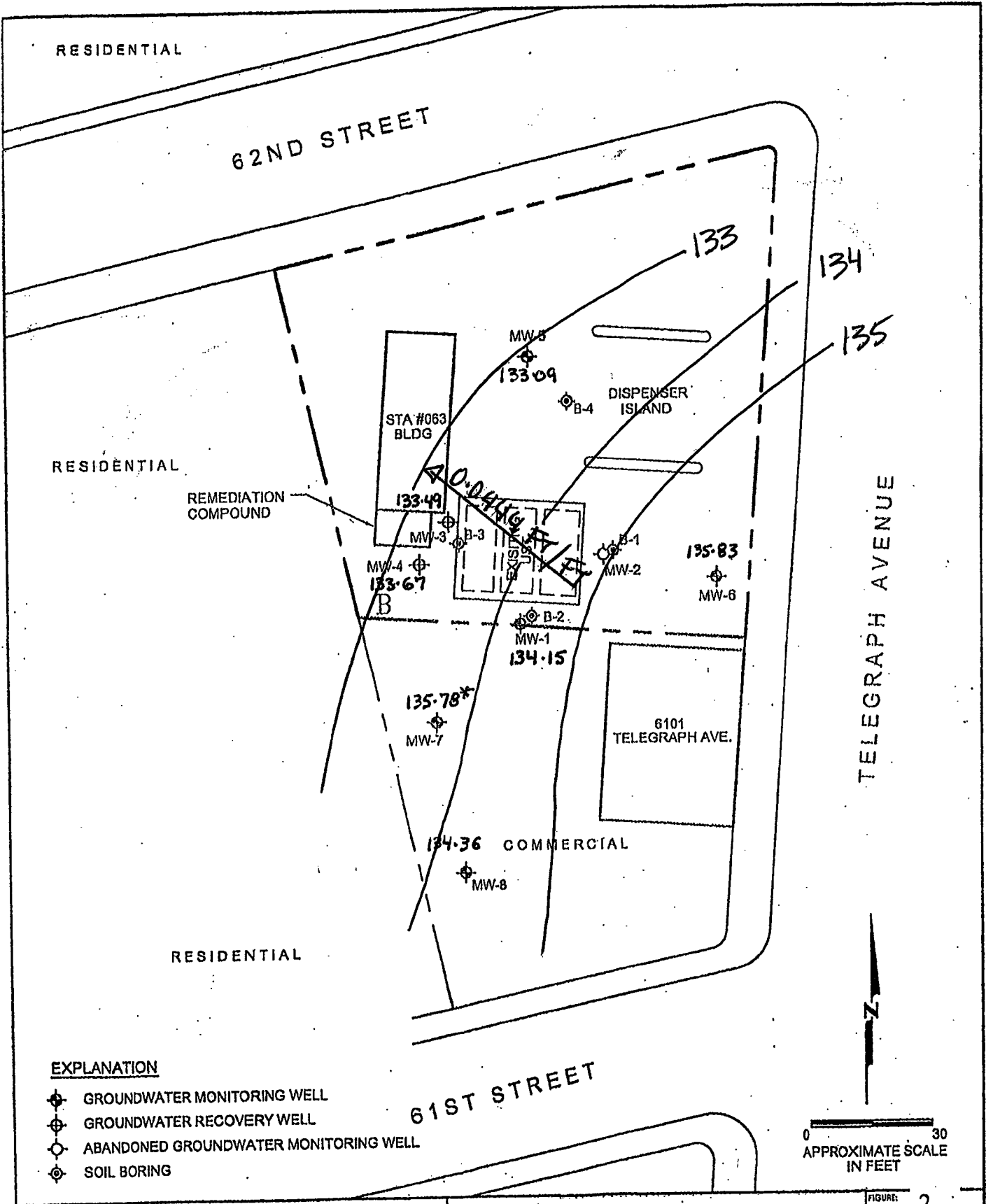
EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET



PROJECT NO.	SITE PLAN		FIGURE: 1
	Thrifty Station No. 063 6126 Telegraph Avenue Oakland, California		SHEET of
			REVISION NO: 0
			DATE: 03/07



EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET



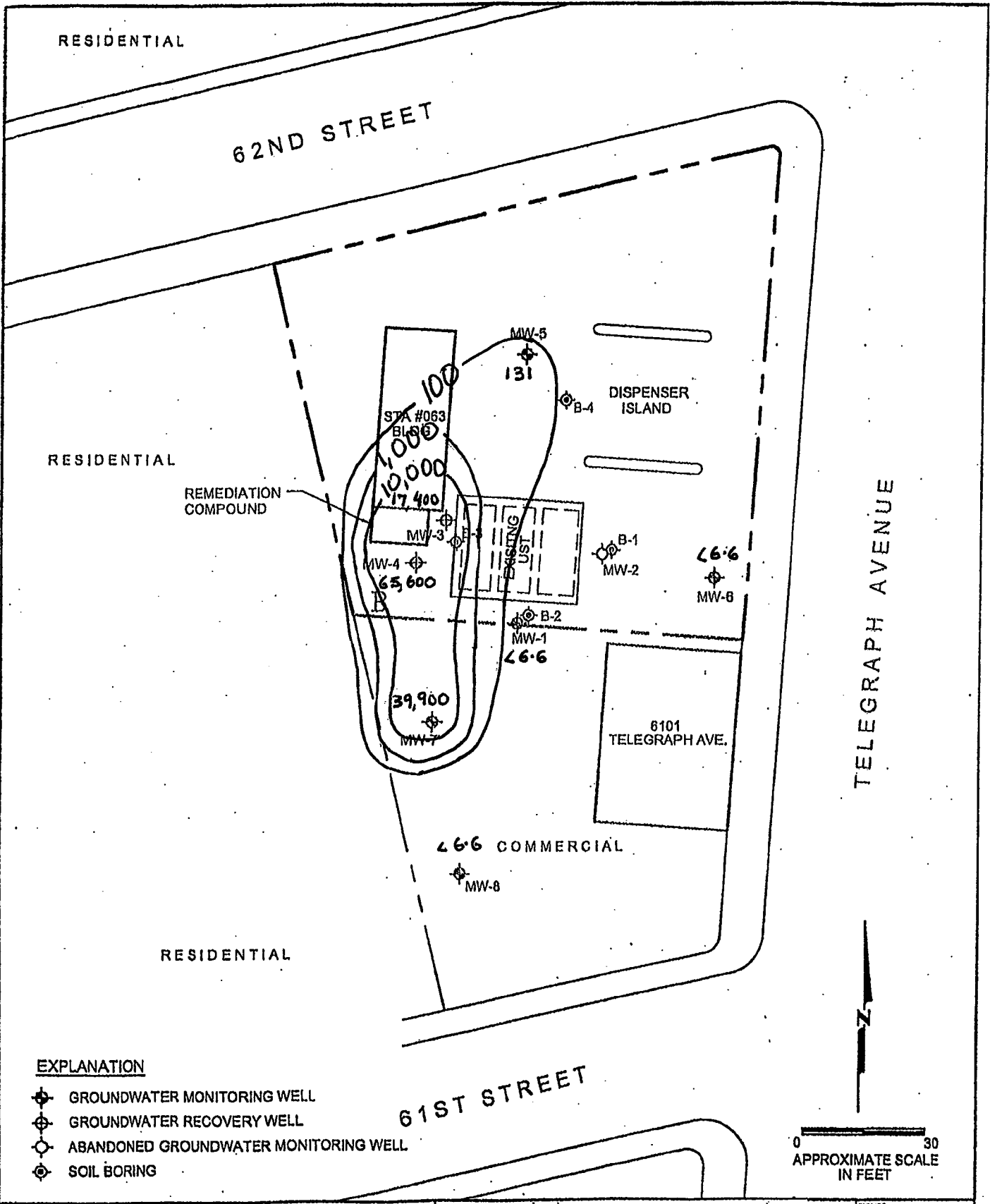
Groundwater gauging conducted on 12-14-09.
Elevations reported in feet above mean sea level
* = not used to determine groundwater contour lines.

Groundwater Elevation Contour Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BL 86

MW-5

131

DISPENSER
ISLAND

B-4

MW-3

B-3

WASTING
UNIT

B-1

266

MW-4

65,600

MW-2

MW-6

B-2

MW-1

266

39,900

MW-7

6101
TELEGRAPH AVE.

266 COMMERCIAL

MW-8

TELEGRAPH AVENUE

RESIDENTIAL

61ST STREET

EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET



PROJECT NO.	units in µg/L Samples collected on <u>12-14-09</u>	TPHg Isoconcentration Map		FIGURE: 3
		Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California		SHEET: of
				REVISION NO: 0
				DATE: 03/07

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
⊕
26.6

⊕ B-4

DISPENSER
ISLAND

133

MW-3

EXISTING
UST

⊕ B-1
MW-2

26.6
⊕
MW-6

MW-4
⊕
1870

⊕ B-2
MW-1
26.6

3360
⊕
MW-7

6101
TELEGRAPH AVE.

26.6 COMMERCIAL

⊕
MW-8

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

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

61ST STREET

0 30
APPROXIMATE SCALE
IN FEET



TPHg Isoconcentration Map

FIGURE: 3A

units in $\mu\text{g/L}$
Samples collected on 5-19-10

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
2.4

B-4 DISPENSER
ISLAND

118
100
10

MW-3

EXISTING
JUST

B-1
MW-2

20-18
MW-6

MW-4
384
B

B-2
MW-1
20-18

271
MW-7

6101
TELEGRAPH AVE.

20-18 COMMERCIAL
MW-8

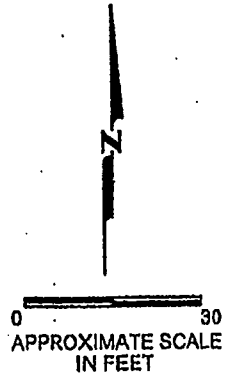
TELEGRAPH AVENUE

RESIDENTIAL

61ST STREET

EXPLANATION

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



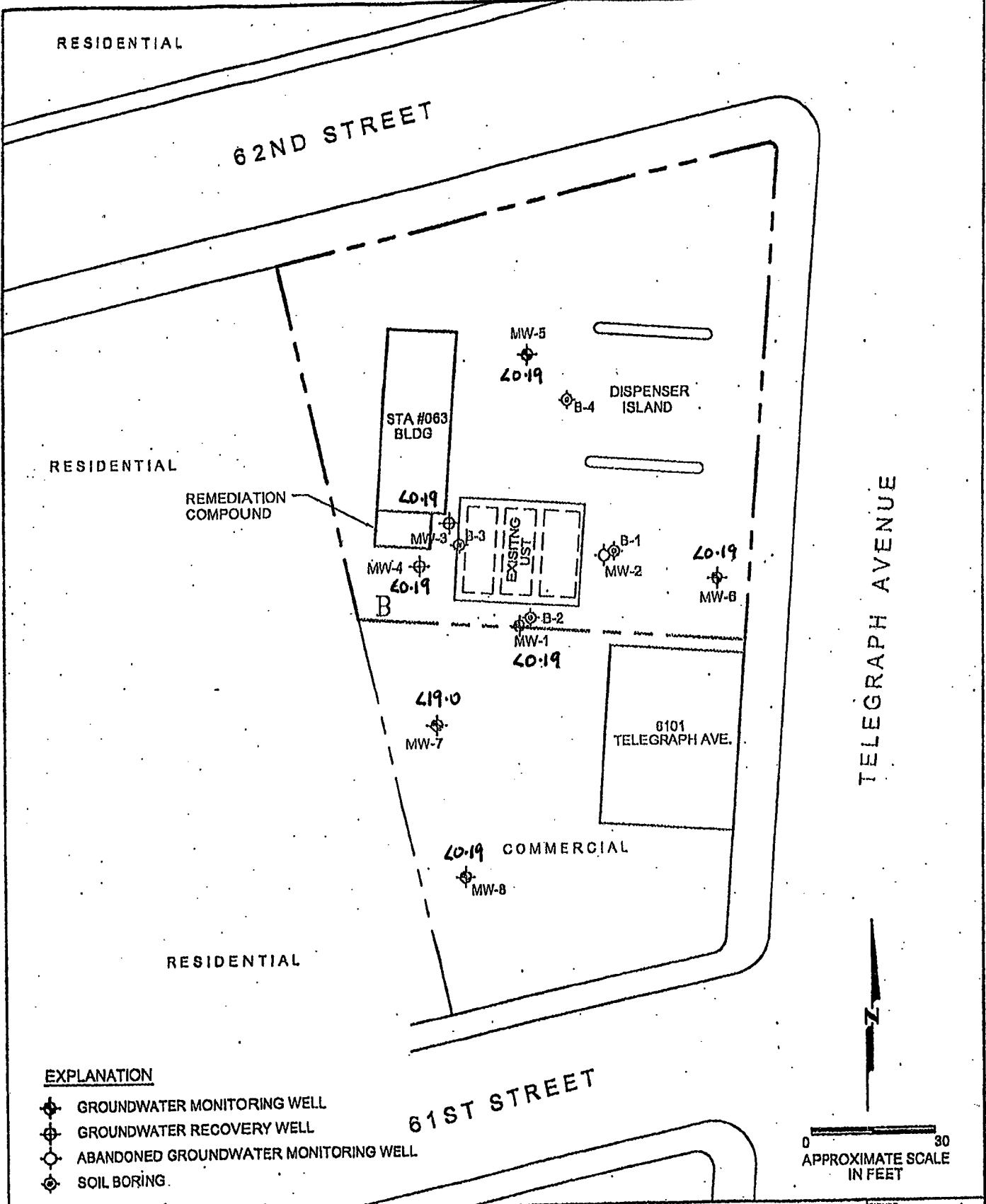
units in $\mu\text{g/L}$
Samples collected on 12-14-09

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDICATION COMPOUND

STA #063 BLDG

MW-5
40-19

B-4 DISPENSER ISLAND

40-19

EXISTING UST

MW-4
40-19

B-1
MW-2

40-19
MW-6

B-2
MW-1
40-19

419.0
MW-7

8101 TELEGRAPH AVE.

RESIDENTIAL

40-19 COMMERCIAL
MW-8

TELEGRAPH AVENUE

EXPLANATION

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

61ST STREET

0 30
APPROXIMATE SCALE
IN FEET

units in µg/L Samples collected on <u>12-14-09</u>	MTBE Isoconcentration Map		FIGURE: 5
	Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California		SHEET: of REVISION NO: 0 DATE: 03/07
PROJECT NO.			

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIAION
COMPOUND

STA #063
BLDG

MW-5
40-19

B-4 DISPENSER
ISLAND

5-2

MW-3

EXISTING
UST

B-1
MW-2

40-19

MW-6

MW-4

B-10

B-2

MW-1
40-19

12

MW-7

6101
TELEGRAPH AVE.

40-19 COMMERCIAL

MW-8

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

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

61ST STREET

0 30
APPROXIMATE SCALE
IN FEET



units in $\mu\text{g/L}$
Samples collected on 5-19-10

MTBE Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

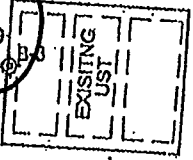
PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND



MW-5
45.2

B-4

DISPENSER
ISLAND

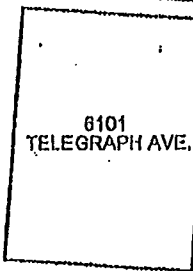
B-1
MW-2

45.2
MW-6

MW-4
45.2
B

B-2
MW-1
45.2

4520.0
MW-7



45.2 COMMERCIAL
MW-8

RESIDENTIAL

TELEGRAPH AVENUE

61ST STREET

EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET

FIGURE: 6

units in µg/L
Samples collected on 12-14-09

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5

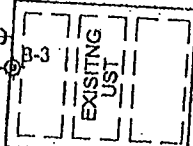
45.2

B-4

DISPENSER
ISLAND

45.2

MW-3



B-1

MW-2

45.2

MW-6

MW-4

50

B

10

B-2

MW-1

45.2

45.2

MW-7

6101
TELEGRAPH AVE.

45.2 COMMERCIAL

MW-8

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

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

61ST STREET



units in $\mu\text{g/L}$
Samples collected on 5-19-10

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: **6A**

SHEET: of

REVISION NO: **0**

DATE: **03/07**

PROJECT NO.

ATTACHMENT A

CALCLEAN INC.

"A Partner in Protecting California's Waters"

May 24, 2010

Thrifty Oil Co.
Attn.: Mr. Simon Tregurtha
13116 Imperial Highway
Santa Fe Springs, CA 90670

1-103854
RECEIVED

JUN 04 2010 ST

ENVIRONMENTAL
SS#063

SITE: THRIFTY OIL COMPANY STATION #063
 6125 TELEGRAPH AVENUE
 OAKLAND, CALIFORNIA

RE: HIGH VACUUM DUAL PHASE EXTRACTION REPORT

Dear Mr. Tregurtha:

CalClean Inc. is submitting this High Vacuum Dual Phase Extraction (HVDPE) Report for the above referenced site (Figure 1). This report includes activities performed by CalClean during a 5-day (24 hours per day) HVDPE event between May 3-8, 2010. All work was conducted in compliance with Thrifty Oil Company's (Thrifty) Five Consecutive (24 hour/day) Day Multi-Phase Extraction Event dated September 2, 2008 and Thrifty's Notification of Intent to Proceed with the Proposed Five Consecutive (24-hour/day) Multi-Phase Extraction Event dated February 9, 2010.

From May 3-8, 2010, CalClean performed a 5-day HVDPE event on one onsite well MW-4 using a low-noise, truck-mounted 450-CFM high-vacuum liquid ring blower along with a Bay Area Air Quality Management District (BAAQMD) various locations permitted, propane-fired, thermal oxidizer (Plant #12568). This technology allows hydrocarbons to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone. A high vacuum was applied for vapor extraction and using a dedicated well stinger placed in the well to induce drawdown of the groundwater table around the extraction well, while vacuum and vapor flow rates were modified to optimize recovery of vapor, free-product (if any) and dissolved-phase hydrocarbons.

During the HVDPE event, vapor samples were collected in Tedlar bags from the extraction well on the first day, and at the end of the second, third and fifth days of operation. The laboratory results, listed in Table 1 and laboratory reports included in Attachment 2, indicate the following:

- The starting Total Petroleum Hydrocarbons as Gasoline (TPH-G) vapor concentration in well MW-4 was 547 ppmv. At the end of the second day, the TPHg vapor concentration was 205 ppmv. At the end of the third day, the TPHg vapor concentration was 211 ppmv. At the end of the 5-day event, the TPHg vapor concentration was 207 ppmv.
- The starting Benzene vapor concentration in well MW-4 was 3.26 ppmv. At the end of the second day, the Benzene vapor concentration was 0.733 ppmv. At the end of the third day, the Benzene vapor concentration was 0.662 ppmv. At the end of the event, the Benzene vapor concentration was 0.698 ppmv.
- The starting Methyl tert-Butyl Ether (MtBE) vapor concentration in well MW-4 was 1.62 ppmv. At the end of the second day, the MtBE vapor concentration was 0.247 ppmv. At the end of the third day, the MtBE vapor concentration was 0.224 ppmv. At the end of the event, the MtBE vapor concentration was 0.186 ppmv.
- The starting tert-Butyl Alcohol (TBA) vapor concentration in well MW-4 was 4.79 ppmv. At the end of the second day, the TBA vapor concentration was 2.36 ppmv. At the end of the third day, the TBA vapor concentration was 1.99 ppmv. At the end of the event, the TBA vapor concentration was 1.37 ppmv.
- The Diisopropyl Ether (DIPE), tert-Amyl Methyl Ether (TAME) and Ethyl tert-Butyl Ether (ETBE) vapor concentrations in well MW-4 were not detected above the laboratory detection limits for reporting purposes.

Based on the laboratory data, the total equivalent amount of hydrocarbons recovered through vapor extraction during the 5-day (approximately 120 hours) event was approximately 15.18 pounds (or approximately 0.13 pounds per hour). The cumulative tabulation of recovered hydrocarbons (based on laboratory data) is provided in Table 2.

During the 5-day event, a total of approximately 5,720 gallons of groundwater (as measured through the onsite water meter) was extracted from well MW-4. The extracted groundwater was treated through three granular activated carbon vessels in series inside the onsite groundwater treatment system compound. The treated groundwater was pumped to the onsite sewer system in accordance with an East Bay Municipal Utility District discharge permit #502-44462.

Groundwater samples were collected from wells MW-4 at the start, middle and at the end of the event. The laboratory results, listed in Table 3 and laboratory reports included in Attachment 2, indicate the following:

- The starting, middle and ending TPH-G groundwater concentrations in well MW-4 were 1,960 ug/L, 6,100 ug/L, and 4,410 ug/L, respectively.
- The starting, middle and ending Benzene groundwater concentrations in well MW-4 were 48 ug/L, 21 ug/L, and 84 ug/L, respectively.
- The starting, middle and ending MtBE groundwater concentrations in well MW-4 were 39 ug/L, 71 ug/L, and 90 ug/L, respectively.
- The starting, middle and ending TBA groundwater concentrations in well MW-4 were 316 ug/L, 1,200 ug/L, and 870 ug/L, respectively.
- The starting, middle and ending DIPE, TAME and ETBE groundwater concentrations in well MW-4 were not detected above the laboratory detection limits for reporting purposes.


The following attachments are included to document the HVDPE event at the site:

Figure 1	Site Plan Showing Well Locations
Figure 2	Total Inlet HC Concentrations versus Time (Using Lab Data)
Figure 3	Cumulative HC Recovered (using Lab Data)
Table 1	Results of Laboratory Analysis of Influent Vapor Samples
Table 2	Hydrocarbon Mass Removal Spreadsheet (using Lab Data)
Table 3	Results of Laboratory Analysis of Groundwater Samples
Attachment 1	High Vacuum Dual Phase Extraction Field Data Sheets
Attachment 2	Laboratory Reports

If you have any questions regarding this report, please contact us at (714) 734-9137 or via cell phone at (714) 936-2706.

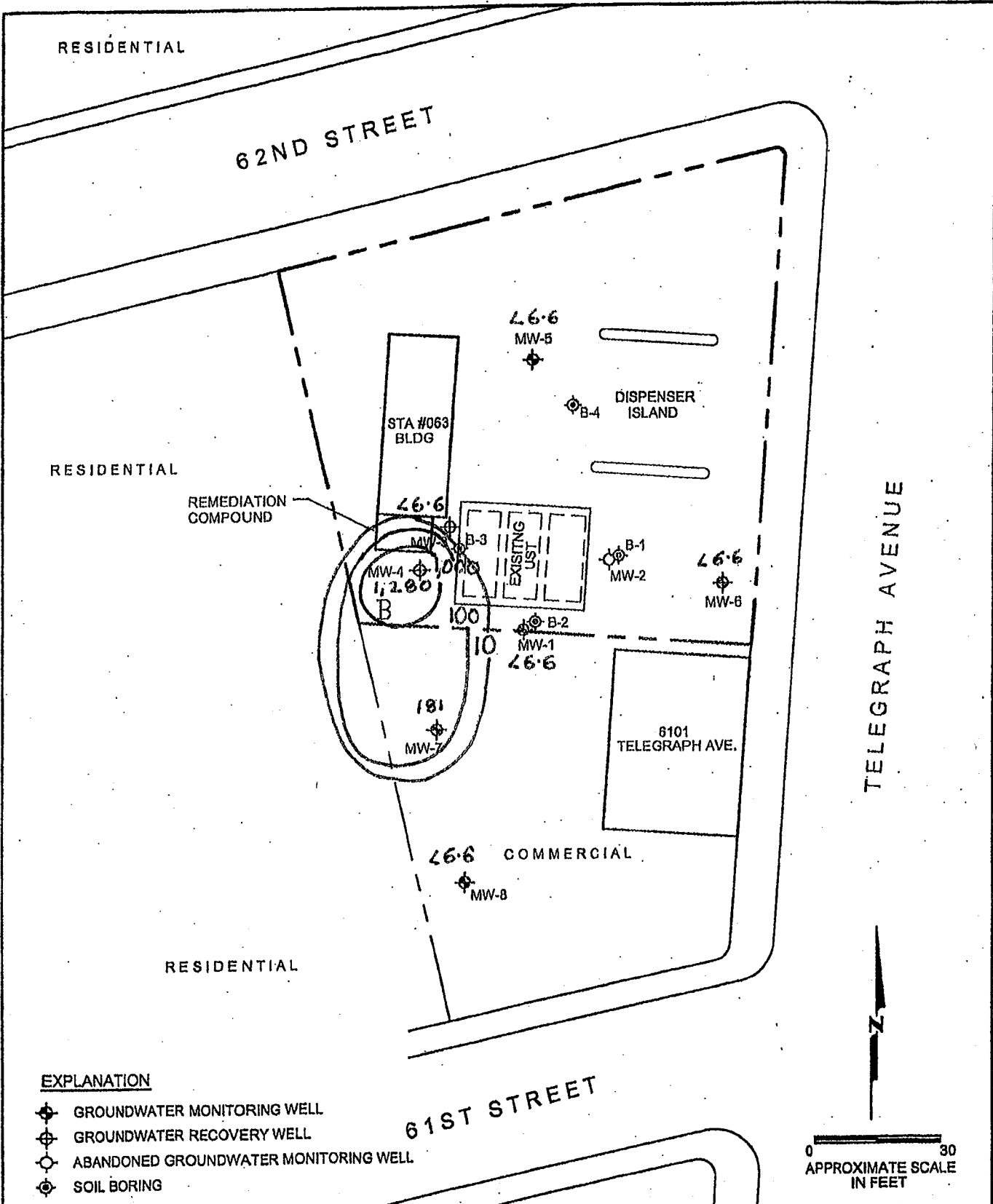
Sincerely,

CALCLEAN INC.



Noel Sheno
Principal Engineer

Attachments



EXPLANATION

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

TPHg Isoconcentration Map

units in $\mu\text{g/L}$
 Samples collected on 7-30-08

Thrifty Station No. 063
 6125 Telegraph Avenue
 Oakland, California

FIGURE:	1
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO.

Table 1
RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES
Thrifty Oil #063
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MtBE (ppmv)	TBA (ppmv)
MW-4	5/3/2010 1700	547	3.26	46.6	11.4	57.2	1.62	4.79
MW-4	5/5/2010 1600	205	0.733	8	4.32	25.03	0.247	2.36
MW-4	5/6/2010 1615	211	0.662	3.16	3.45	15.73	0.224	1.99
MW-4	5/8/2010 1700	207	0.698	4.41	3.35	14.25	0.186	1.37

Notes:

ppmv = parts per million by volume

TPH - g = total petroleum hydrocarbons - gasoline

Samples analyzed by EPA 8015B / EPA 8260B

MtBE = Methyl tert-Butyl Ether

Table 2
HYDROCARBON MASS REMOVAL SPREADSHEET (Using Lab Data)
 Thrifty Oil #063, Oakland, CA

TIME	SYSTEM PARAMETERS			Hydrocarbon Recovery		
	Average System Vacuum (in of Hg)	Average Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution* (ppmv)	(lbs)	(gal)	(Cumul. lbs)
5/3/2010 17:00	24	34	547	0.00	0.00	0
5/5/2010 16:00	24	33	205	8.06	1.29	8.06
5/6/2010 16:15	24	33	211	2.27	0.36	10.33
5/8/2010 17:00	24	37	207	4.86	0.78	15.18
TOTAL HC RECOVERED* - LAB DATA				15.18	2.43	
HC RECOVERED - lbs./hour				0.13		
TOTAL GROUNDWATER EXTRACTED					5,720	

in of Hg = inches of mercury

ppmv = parts per million by volume

gal = gallons

scfm = standard cubic feet per minute

lbs = pounds

* Concentration data based on laboratory data

Table 3

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
Thrifty Oil #063
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MtBE (ug/L)	TBA (ug/L)
MW-4	5/3/2010 1605	1,960	48	ND<0.24	14	7.2	39	316
MW-4	5/6/2010 0500	6,100	21	ND<0.24	ND<0.21	3.6J	71	1,200
MW-4	5/8/2010 1710	4,410	84	ND<0.24	97	9.2	90	870

Notes:

ug/L	= parts per billion	Samples analyzed by EPA 8015B / EPA 8260B	MtBE = Methyl tert-Butyl Ether
TPH - g	= total petroleum hydrocarbons - gasoline	TBA = tert-Butanol	

Figure 2
Total Inlet HC Concentrations vs Time (5 Days)
Thrifty Oil #063, Oakland, CA - 5/3-8/10

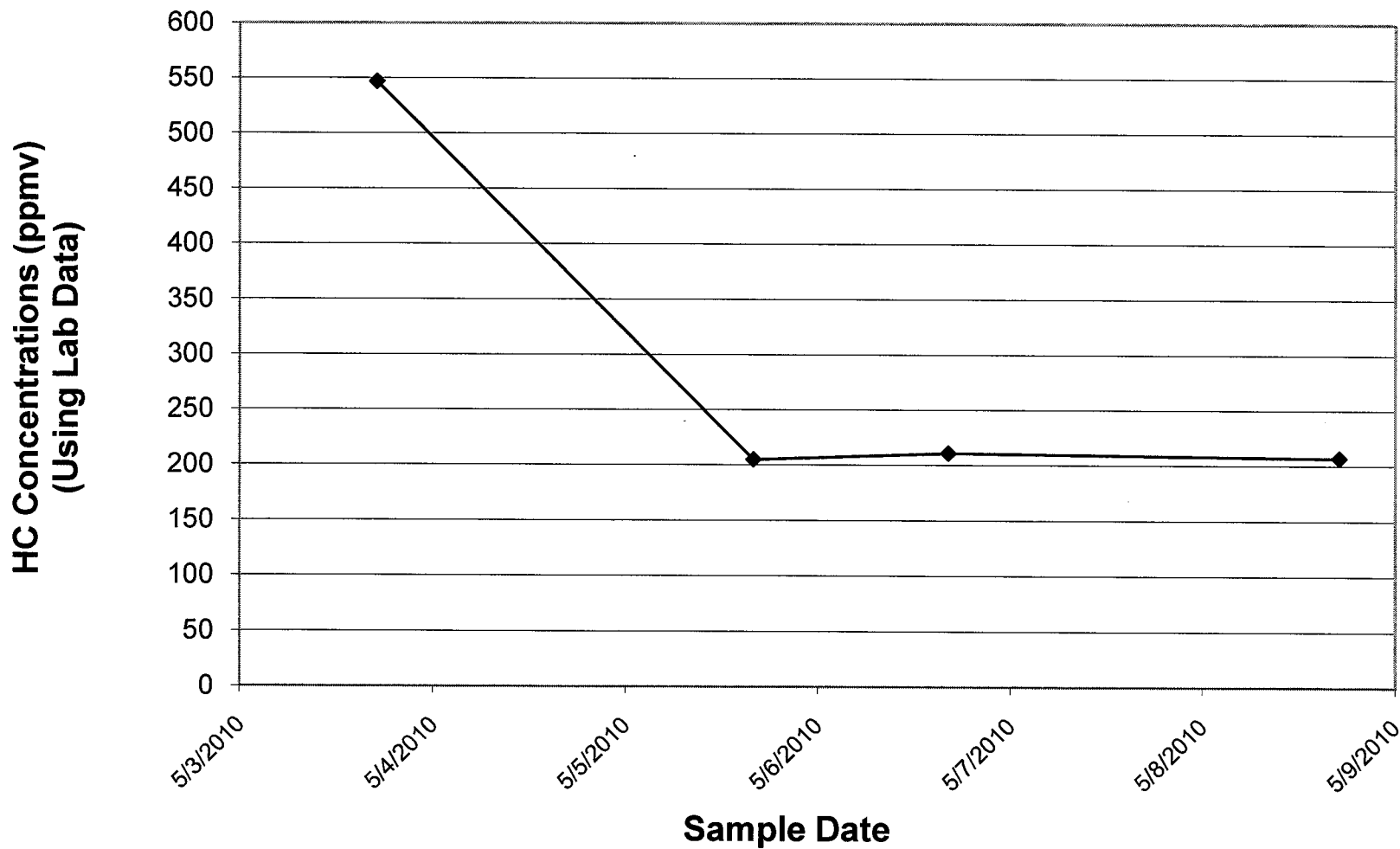
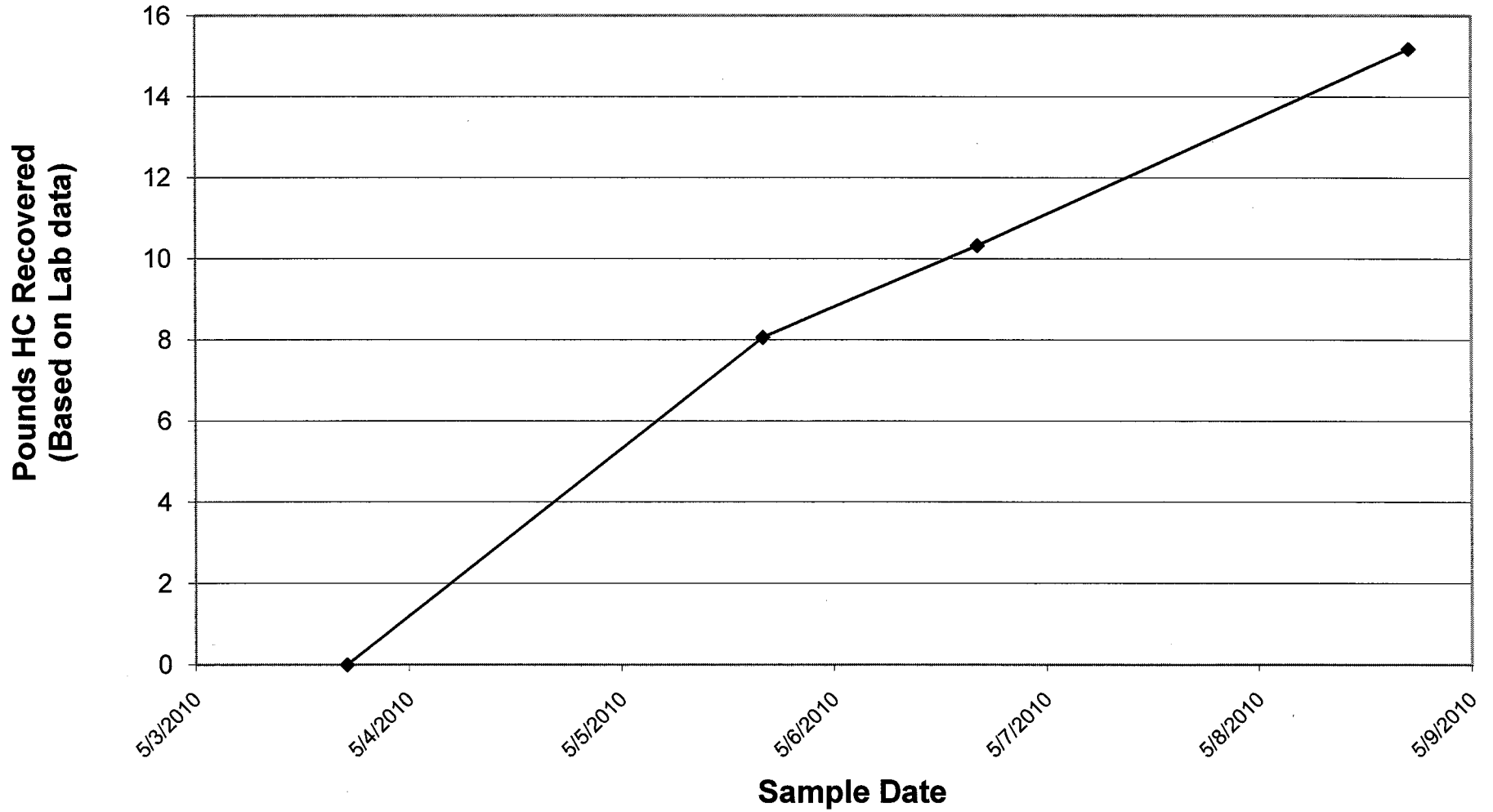


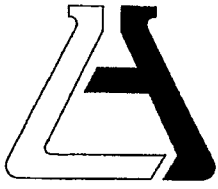
Figure 3
Cumulative HC Recovered Over 5 Days
Thrifty Oil #063, Oakland, CA - 5/3-8/10



CalClean Inc.

ATTACHMENT 1

LABORATORY REPORTS



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254250

REPORTED 05/07/2010

RECEIVED 05/05/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

1077590

1077591

Client Sample Identification

TOC #063 MW-4

TOC #063 STACK

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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*TESTING & CONSULTING
Chemical
Microbiological
Environmental*

Order #: 1077590

Client: Thrifty Oil Company

Matrix: AIR

Client Sample ID: TOC #063 MW-4

Date Sampled: 05/03/2010

Time Sampled: 17:00

Sampled By:

Analyte Result DF DLR Units Date/Analyst

8260B Volatile Organics (BTEX) in Air

Benzene	3260	100	100.0	Vppb	05/05/10	NZ
Ethylbenzene	11400	100	100.0	Vppb	05/05/10	NZ
m,p-Xylene	44100	200	200.0	Vppb	05/05/10	NZ
Methyl t-butyl ether (MTBE)	1620	100	100.0	Vppb	05/05/10	NZ
o-Xylene	13100	100	100.0	Vppb	05/05/10	NZ
Toluene	46600	100	100.0	Vppb	05/05/10	NZ
Diisopropyl Ether	ND	200	200.0	Vppb	05/05/10	NZ
Ethyl tert-Butyl Ether	ND	200	200.0	Vppb	05/05/10	NZ
tert-Amyl Methyl Ether	ND	200	200.0	Vppb	05/05/10	NZ
tert-Butanol	4790	200	200.0	Vppb	05/05/10	NZ

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	547	5	25.0	Vppm	05/05/10	SW
Gasoline	2240	5	110.5	ug/L	05/05/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report



Order #: 1077591

Client: Thrifty Oil Company

Matrix: AIR

Client Sample ID: TOC #063 STACK

Date Sampled: 05/03/2010

Time Sampled: 17:10

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8021B BTEX/MTBE in Air - (Vppm & ug/L)					
Benzene	ND	1	0.01	Vppm	05/05/10 SW
Ethyl benzene	0.03	1	0.01	Vppm	05/05/10 SW
Methyl t - butyl ether	ND	1	0.10	Vppm	05/05/10 SW
Toluene	0.04	1	0.01	Vppm	05/05/10 SW
Xylene (total)	0.62	1	0.03	Vppm	05/05/10 SW
Benzene	ND	1	0.03	ug/L	05/05/10 SW
Ethyl benzene	0.12	1	0.04	ug/L	05/05/10 SW
Methyl t - butyl ether	ND	1	0.36	ug/L	05/05/10 SW
Toluene	0.15	1	0.04	ug/L	05/05/10 SW
Xylene (total)	0.14	1	0.13	ug/L	05/05/10 SW

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	ND	1	5.0	Vppm	05/05/10 SW
Gasoline	ND	1	22.1	ug/L	05/05/10 SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report



ASSOCIATED LABORATORIES
QA REPORT FORM

Method : 8260 AIR
QC Sample: 254064-783
Matrix: Air
Analysis Date: 5/05/10-5/06/10
Lab ID#'s in Batch: 253889, 254064, 254209, 254108, 254065, 254155, 254152, 254250

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	10,860	10,900	0
Ethyl benzene	2,748	2,771	1
m,p-Xylenes	13,286	13,316	0
o-Xylene	4,212	4,231	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 254105-969
Matrix: AIR
Prep. Date : May 5, 2010
Analysis Date: May 5, 2010
Lab ID#'s in Batch: 254152, 254156, 254194, 254209, 254193, 254105, 254250

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	538.05	542.20	1
Benzene	8021B	4.00	3.99	0
Toluene	8021B	10.03	10.08	0
Ethylbenzene	8021B	2.96	3.08	4
Xylenes	8021B	14.11	14.31	1

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%



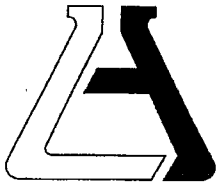
Chain of Custody Record

254250

Company THRIFT OIL CO	Phone	A.L. Job No.
Project Manager SIMON TREGURTHA	Fax	
Project Name TOC #063	Project #	
Site Name and Address OAKLAND, CA		

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested			Test Instructions & Comments
							TPHG (8015)	BTEX TOXYS (8260B)	BTEX /MTBE (8021)	
1	MW-A	5/3/10	1700	AIR	TEDLAR	NONE	X	X	X	
2	STACK	"	1710	"	"	"	X	X	X	
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										email
13										noelsherni
14										
15										

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	2	Properly Cooled Y/N/NA		Signature: <i>Noelsherni</i>	Signature:	Signature:
Custody Seals Y/N/NA		Samples Intact Y/N/NA		Printed Name:	Printed Name:	Printed Name:
Received in Good Condition Y/N		Samples Accepted Y/N		Date: 5/5/10 Time: 11:00	Date: Time:	Date: Time:
Turn Around Time				Received By: 1.	Received By: 2.	Received By: 3.
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: <i>[Signature]</i>	Signature:	Signature:
				Printed Name: <i>Ivan Montoya</i>	Printed Name:	Printed Name:
				Date: 5-8-10 Time: 11:00	Date: Time:	Date: Time:



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254253

REPORTED 05/17/2010

RECEIVED 05/05/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

1077670

1077671

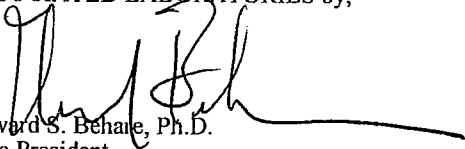
Client Sample Identification

TOC #063 MW-4

Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,


Edward S. Behale, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1077670

Client Sample ID: TOC #063 MW-4

Matrix: WATER

Date Sampled: 05/03/2010 Time Sampled: 16:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	48	1.0	1	0.18	ug/L	05/10/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/10/10 RP
Ethyl benzene	14	1.0	5	0.21	ug/L	05/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/10/10 RP
Methyl-tert-butylether (MTBE)	39	1.0	1	0.19	ug/L	05/10/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/10/10 RP
Tertiary butyl alcohol (TBA)	316	1.0	10	5.2	ug/L	05/10/10 RP
Toluene	ND	1.0	5	0.24	ug/L	05/10/10 RP
Xylenes, total	7.2	1.0	5	0.45	ug/L	05/10/10 RP
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	100			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	94			%	70 - 135	
Surr3 - Toluene-d8	100			%	70 - 135	
Surr4 - p-Bromofluorobenzene	102			%	70 - 135	
8015B - Gasoline						
Gasoline	1960	1.0	50	6.6	ug/L	05/07/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	118			%	60 - 140	

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



Order #: 1077671

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE

Benzene	ND	1.0	1	0.18	ug/L	05/10/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/10/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	05/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/10/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	05/10/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/10/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	05/10/10 RP
Toluene	ND	1.0	5	0.24	ug/L	05/10/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	05/10/10 RP

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	91			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135
Surr3 - Toluene-d8	100			%	70 - 135
Surr4 - p-Bromofluorobenzene	100			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	05/06/10 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	99			%	60 - 140

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 254253 results, page 2 of 2



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: May 6, 2010

Analysis Date 5/6/10-5/7/10

Lab ID#'s in Batch: 254151 , 254148 , 253895 , 253968 , 254229 , 254253 , 254251 , 254276 , 254287 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	406	410	81	82	1

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	99
LCS	101
LCSD	101

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: May 7, 2010

Analysis Date 5/7/10-5/8/10

Lab ID#'s in Batch: 254392 , 254229 , 254253 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	404	410	81	82	1

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	98
LCS	101
LCSD	101

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 254149-265

Date Prepared: May 6, 2010

Date Analyzed: 5/6-5/7/10

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 254149, 254293, 254125, 254070, 254127, 254423, 254253

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	53.4	55.4	107	111	4	22	59 - 172
MTBE	0.00	50.0	56.8	61.7	114	123	8	24	62 - 137
Benzene	0.00	50.0	52.2	53.6	104	107	3	24	62 - 137
Trichloroethene	0.00	50.0	50.1	50.5	100	101	1	21	66 - 142
Toluene	0.00	50.0	51.4	51.8	103	104	1	21	59 - 139
Chlorobenzene	0.00	50.0	52.7	52.4	105	105	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	55.4	111	59 - 172
MTBE	50.0	56.0	112	62 - 137
Benzene	50.0	53.1	106	62 - 137
Trichloroethene	50.0	51.7	103	66 - 142
Toluene	50.0	52.9	106	59 - 139
Chlorobenzene	50.0	53.0	106	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	90	89	100	102	100	70 - 135
1,2-Dichloroethane-d4	107	110	105	108	103	70 - 135
Toluene-d8	101	102	101	99	100	70 - 135
p-Bromofluorobenzene	103	101	97	99	101	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 254473-486
 Date Prepared: May 10, 2010
 Date Analyzed: 5/10-5/11/10
 Sample Matrix: Water
 Units: µg/L

Lab ID#s in Batch: 254473, 254253, 254151, 254392, 254317, 254322, 254356, 254368

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	58.6	56.0	117	112	5	22	59 - 172
MTBE	0.00	50.0	64.0	59.3	128	119	8	24	62 - 137
Benzene	0.00	50.0	55.8	51.7	112	103	8	24	62 - 137
Trichloroethene	0.00	50.0	50.8	49.8	102	100	2	21	66 - 142
Toluene	0.00	50.0	51.9	51.0	104	102	2	21	59 - 139
Chlorobenzene	0.00	50.0	53.6	51.5	107	103	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	56.0	112	59 - 172
MTBE	50.0	59.7	119	62 - 137
Benzene	50.0	53.7	107	62 - 137
Trichloroethene	50.0	51.6	103	66 - 142
Toluene	50.0	53.2	106	59 - 139
Chlorobenzene	50.0	53.0	106	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	91	93	103	100	100	70 - 135
1,2-Dichloroethane-d4	112	114	111	106	107	70 - 135
Toluene-d8	100	101	98	98	100	70 - 135
p-Bromofluorobenzene	100	99	98	95	94	70 - 135

Chain of Custody Record

ASSOCIATED LABORATORIES

806 North Batavia ■ Orange, CA 92868

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



Company THRIFTY OIL CO Phone _____							A.L. Job No. 254253		Page <u>1</u> of <u>1</u>			
Project Manager SIMON TREGURTHA Fax _____							Analysis Requested			Test Instructions & Comments		
Project Name TOC #063 Project # _____												
Site Name and Address OAKLAND, CA							<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPHG(8015)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STEX+OXYS (826015)</div> </div>					
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.						
① MW-4		5/3/10	1605	W	3 VOA	HCl						
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
Sample Receipt - To Be Filled By Laboratory							Relinquished by Sampler: 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers 3		Properly Cooled <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA					Signature: <i>noelshemi</i>		Signature:		Signature:	
Custody Seals <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA		Samples Intact <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA					Printed Name:		Printed Name:		Printed Name:	
Received in Good Condition <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N		Samples Accepted <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N					Date: 5/5/10 Time: 10:58		Date: _____ Time: _____		Date: _____ Time: _____	
Turn Around Time							Received By: 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.							Signature: <i>ASL</i>		Signature:		Signature:	
							Printed Name: Juan Montoya		Printed Name:		Printed Name:	
							Date: 5-5-10 Time: 10:58		Date: _____ Time: _____		Date: _____ Time: _____	

*email
noelshemi*



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: T.O.C. Project: TOC#063
 Date Received: 5-5-10 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information:

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 2.0°C
 (Acceptance range is 2 to 6 Deg. C.)

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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 5-5-10



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254465

REPORTED 05/12/2010

RECEIVED 05/07/2010

PROJECT Station #063
6125 E. Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

1078453

1078454

Client Sample Identification

TOC #063 MW-4 16:00

TOC #063 MW-4 16:15

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1078453**Client:** Thrifty Oil Company**Matrix:** AIR**Client Sample ID:** TOC #063 MW-4 16:00**Date Sampled:** 05/05/2010**Time Sampled:** 16:00**Sampled By:**

Analyte	Result	DF	DLR	Units	Date/Analyst
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8260B Volatile Organics (BTEX) in Air

Benzene	733	25	25.0	Vppb	05/08/10 NZ
Ethylbenzene	4320	25	25.0	Vppb	05/08/10 NZ
m,p-Xylene	18200	50	50.0	Vppb	05/08/10 NZ
Methyl t- butyl ether (MTBE)	247	25	25.0	Vppb	05/08/10 NZ
o-Xylene	6830	25	25.0	Vppb	05/08/10 NZ
Toluene	8000	25	25.0	Vppb	05/08/10 NZ
Diisopropyl Ether	ND	50	50.0	Vppb	05/08/10 NZ
Ethyl tert-Butyl Ether	ND	50	50.0	Vppb	05/08/10 NZ
tert-Amyl Methyl Ether	ND	50	50.0	Vppb	05/08/10 NZ
tert-Butanol	2360	50	50.0	Vppb	05/08/10 NZ

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	205	5	25.0	Vppm	05/07/10 SW
Gasoline	837	5	110.5	ug/L	05/07/10 SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report



Order #: 1078454

Client: Thrifty Oil Company

Matrix: AIR

Client Sample ID: TOC #063 MW-4 16:15

Date Sampled: 05/06/2010

Time Sampled: 16:15

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	662	25	25.0	Vppb	05/08/10 NZ	
Ethylbenzene	3450	25	25.0	Vppb	05/08/10 NZ	
m,p-Xylene	11000	50	50.0	Vppb	05/08/10 NZ	
Methyl t-butyl ether (MTBE)	224	25	25.0	Vppb	05/08/10 NZ	
o-Xylene	4730	25	25.0	Vppb	05/08/10 NZ	
Toluene	3160	25	25.0	Vppb	05/08/10 NZ	
Diisopropyl Ether	ND	50	50.0	Vppb	05/08/10 NZ	
Ethyl tert-Butyl Ether	ND	50	50.0	Vppb	05/08/10 NZ	
tert-Amyl Methyl Ether	ND	50	50.0	Vppb	05/08/10 NZ	
tert-Butanol	1990	50	50.0	Vppb	05/08/10 NZ	

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	211	3	12.5	Vppm	05/07/10 SW
Gasoline	865	3	55.25	ug/L	05/07/10 SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report



ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 254231-543
Matrix: AIR
Prep. Date : May 6, 2010
Analysis Date: May 6, 2010
Lab ID#'s in Batch: 254350, 254231, 254232, 254349, 254193, 254366, 254365

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	169.14	173.63	3
Benzene	8021B	0.78	0.78	0
Toluene	8021B	6.00	6.15	2
Ethylbenzene	8021B	1.55	1.52	2
Xylenes	8021B	3.38	3.39	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 254366-102
Matrix: AIR
Prep. Date : May 7, 2010
Analysis Date: May 7, 2010
Lab ID#'s in Batch: 254383, 254365, 254366, 254382, 254349, 254465

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	832.57	861.96	3
Benzene	8021B	12.50	12.62	1
Toluene	8021B	87.84	89.83	2
Ethylbenzene	8021B	11.48	11.59	1
Xylenes	8021B	49.92	50.09	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

**ASSOCIATED LABORATORIES
QA REPORT FORM**

Method : 8260 AIR

QC Sample: 254350-048

Matrix: Air

Analysis Date: 5/07/10-5/08/10

Lab ID#'s in Batch: 254350, 254349, 254442, 254366, 254382, 254804, 254465, 254464

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	46,632	41,881	11
Ethyl benzene	2,668	2,437	9
m,p-Xylenes	10,849	9,846	10
o-Xylene	2,892	2,650	9

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

<i>RPD LIMITS = 20%</i>

Chain of Custody Record

ASSOCIATED LABORATORIES

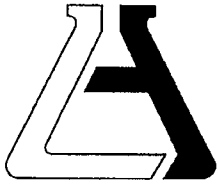
806 North Batavia ■ Orange, CA 92868

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



Company THRIFTY OIL CO				Phone			A.L. Job No. 254465		Page 1 of 1		
Project Manager SIMON TREURTHA				Fax			Analysis Requested			Test Instructions & Comments	
Project Name TOC # 063				Project #							
Site Name and Address OAKLAND, CA											
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.					
1 MW-4		5/5/10	1600	AIR	TEDLAR	NONE	X	X			
2 MW-4		5/6/10	1615	u	u	u	X	X			
3											
4											
5											
6											
7											
8											
9											
10											
11										email	
12										noelshemi	
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1. Sampler:		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers		Properly Cooled Y/N/NA		Signature:	<i>Noelshemi</i>		Signature:		
Custody Seals Y/N/NA		Samples Intact Y/N/NA		Printed Name:			Printed Name:		
Received in Good Condition Y/N		Samples Accepted Y/N		Date:	5/7/10	Time:	Date:	Time:	
Turn Around Time				Received By: 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature:	<i>ASL</i>		Signature:		
				Printed Name:	<i>Simon Treurtha</i>		Printed Name:		
				Date:	5-7-10	Time:	Date:	Time: 15:26	



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254483

REPORTED 05/17/2010

RECEIVED 05/07/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

1078532

1078533

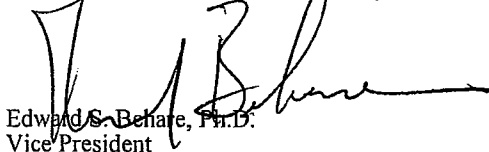
Client Sample Identification

TOC #063 MW-4

Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,



Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1078532

Client Sample ID: TOC #063 MW-4

Matrix: WATER

Date Sampled: 05/06/2010 Time Sampled: 05:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	21	1.0	1	0.18	ug/L	05/12/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/12/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	05/12/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/12/10 RP
Methyl-tert-butylether (MTBE)	71	1.0	1	0.19	ug/L	05/12/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/12/10 RP
Tertiary butyl alcohol (TBA)	1200	1.0	10	5.2	ug/L	05/12/10 RP
Toluene	ND	1.0	5	0.24	ug/L	05/12/10 RP
Xylenes, total	3.6J	1.0	5	0.45	ug/L	05/12/10 RP
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	105			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	86			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	112			%	70 - 135	
8015B - Gasoline						
Gasoline	6100	20.0	1000.0	132.0	ug/L	05/11/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	86			%	60 - 140	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 254483 results, page 1 of 2



Order #: 1078533

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	05/12/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/12/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	05/12/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/12/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	05/12/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/12/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	05/12/10 RP
Toluene	ND	1.0	5	0.24	ug/L	05/12/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	05/12/10 RP
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	91			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	113			%	70 - 135	
Surr3 - Toluene-d8	98			%	70 - 135	
Surr4 - p-Bromofluorobenzene	98			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	05/10/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	99			%	60 - 140	

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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: May 12, 2010

Analysis Date 5/12/10-5/13/10

Lab ID#'s in Batch: 254560 , 254675 , 253676 , 254573 , 254475 , 254471 , 254472 , 254483 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	393	409	79	82	4

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	102
LCS	102
LCSD	102

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: May 10, 2010

Analysis Date 5/10/10-5/11/10

Lab ID#'s in Batch: 254473, 254475, 254483, 254471

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	421	426	84	85	1

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	99
LCS	103
LCSD	102

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: May 11, 2010

Analysis Date 5/11/10-5/12/10

Lab ID#'s in Batch: 254471 , 254560 , 253676 , 254472 , 254573 , 254475 ,254483 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	380	402	76	80	6

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	97
LCS	101
LCSD	102

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 254471-462
 Date Prepared: May 11, 2010
 Date Analyzed: 5/11-5/12/10
 Sample Matrix: Water
 Units: µg/L

Lab ID#'s in Batch: 254471, 253675, 254474, 254392, 254483

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	57.8	57.0	116	114	1	22	59 - 172
MTBE	11.80	50.0	68.6	67.6	114	112	1	24	62 - 137
Benzene	0.00	50.0	53.4	52.5	107	105	2	24	62 - 137
Trichloroethene	0.00	50.0	53.6	50.9	107	102	5	21	66 - 142
Toluene	0.00	50.0	53.7	51.5	107	103	4	21	59 - 139
Chlorobenzene	0.00	50.0	52.7	52.5	105	105	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	54.5	109	59 - 172
MTBE	50.0	56.4	113	62 - 137
Benzene	50.0	51.7	103	62 - 137
Trichloroethene	50.0	51.2	102	66 - 142
Toluene	50.0	51.6	103	59 - 139
Chlorobenzene	50.0	52.8	106	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	92	91	99	100	101	70 - 135
1,2-Dichloroethane-d4	108	111	103	103	105	70 - 135
Toluene-d8	100	100	100	97	101	70 - 135
p-Bromofluorobenzene	102	100	101	101	97	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 254483-532
 Date Prepared: May 12, 2010
 Date Analyzed: 5/12-5/13/10
 Sample Matrix: Water
 Units: µg/L

Lab ID#'s in Batch: 254483, 254405, 254216, 254471, 254472, 254526, 253675

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	59.9	59.2	120	118	1	22	59 - 172
MTBE	71.30	50.0	124.0	129.0	105	115	4	24	62 - 137
Benzene	20.70	50.0	71.2	69.1	101	97	3	24	62 - 137
Trichloroethene	0.00	50.0	52.9	50.4	106	101	5	21	66 - 142
Toluene	0.00	50.0	56.8	54.5	114	109	4	21	59 - 139
Chlorobenzene	0.00	50.0	55.0	51.2	110	102	7	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	56.2	112	59 - 172
MTBE	50.0	61.7	123	62 - 137
Benzene	50.0	53.4	107	62 - 137
Trichloroethene	50.0	49.8	100	66 - 142
Toluene	50.0	50.3	101	59 - 139
Chlorobenzene	50.0	51.0	102	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	91	95	107	104	101	70 - 135
1,2-Dichloroethane-d4	113	110	81	85	108	70 - 135
Toluene-d8	98	97	98	99	99	70 - 135
p-Bromofluorobenzene	98	96	107	104	99	70 - 135

Chain of Custody Record

ASSOCIATED LABORATORIES

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



254483

Page 1 of 1

Company THRIFTY OIL CO Phone _____						A.L. Job No. _____		Page 1 of 1			
Project Manager SIMON TREGURTHA Fax _____						Analysis Requested				Test Instructions & Comments	
Project Name TOC # 063 Project # _____											
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA											
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX + OXYS (8260B)			
1	MW-4	5/6/10	0500	W	3 VOA	HCl	X	X			
2											
3											
4											
5											
6											
7											
8											
9											
10										email noelshem	
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	_____	Properly Cooled Y/N/NA	_____	Signature: <i>Noelshem</i>	_____	Signature: _____	_____	Signature: _____	_____
Custody Seals Y/N/NA	_____	Samples Intact Y/N/NA	_____	Printed Name: _____	_____	Printed Name: _____	_____	Printed Name: _____	_____
Received in Good Condition Y/N	_____	Samples Accepted Y/N	_____	Date: 5/7/10 Time: 15:28	_____	Date: _____ Time: _____	_____	Date: _____ Time: _____	_____
Turn Around Time				Received By: ASL 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: _____		Signature: _____		Signature: _____	
				Printed Name: <i>Sean Mathey</i>		Printed Name: _____		Printed Name: _____	
				Date: 5-7-10 Time: 15:28		Date: _____ Time: _____		Date: _____ Time: _____	



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: T.O.C. Project: TOC#068
 Date Received: 5-7-10 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 2.02
 (Acceptance range is 2 to 6 Deg. C.)

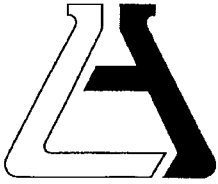
Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Is it properly completed? (IDs, sampling date and time, signature, test)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Were custody seals present?		<input checked=""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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 5-7-10



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254620

REPORTED 05/17/2010

RECEIVED 05/11/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

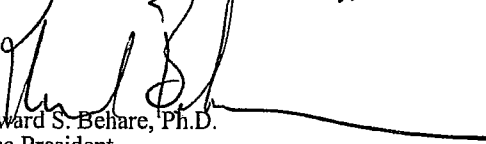
This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.
1079270

Client Sample Identification
TOC #063 MW-4

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

ASSOCIATED LABORATORIES by,


Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1079270

Client: Thrifty Oil Company

Matrix: AIR

Client Sample ID: TOC #063 MW-4

Date Sampled: 05/08/2010

Time Sampled: 17:00

Sampled By:

Analyte **Result** **DF** **DLR** **Units** **Date/Analyst**

8260B Volatile Organics (BTEX) in Air

Benzene	698	25	25.0	Vppb	05/12/10	NZ
Ethylbenzene	3350	25	25.0	Vppb	05/12/10	NZ
m,p-Xylene	10300	50	50.0	Vppb	05/12/10	NZ
Methyl t-butyl ether (MTBE)	186	25	25.0	Vppb	05/12/10	NZ
o-Xylene	3950	25	25.0	Vppb	05/12/10	NZ
Toluene	4410	25	25.0	Vppb	05/12/10	NZ
Diisopropyl Ether	ND	50	50.0	Vppb	05/12/10	NZ
Ethyl tert-Butyl Ether	ND	50	50.0	Vppb	05/12/10	NZ
tert-Amyl Methyl Ether	ND	50	50.0	Vppb	05/12/10	NZ
tert-Butanol	1370	50	50.0	Vppb	05/12/10	NZ

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	207	5	25.0	Vppm	05/12/10	SW
Gasoline	846	5	110.5	ug/L	05/12/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report



ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 254540-835
Matrix: AIR
Prep. Date : May 12, 2010
Analysis Date: May 12, 2010
Lab ID#'s in Batch: 254540, 254618, 254620, 254576, 254619

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	3,748.20	3,730.32	0
Benzene	8021B	14.43	14.36	0
Toluene	8021B	250.15	249.82	0
Ethylbenzene	8021B	100.03	99.11	1
Xylenes	8021B	355.29	351.41	1

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : 8260 AIR
QC Sample: 254540-830
Matrix: Air
Analysis Date: 5/012/10-5/13/10
Lab ID#'s in Batch: 254540, 254575, 254680, 254620, 254576, 254575
REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	3,402	3,396	0
Ethyl benzene	3,906	3,919	0
m,p-Xylenes	13,858	14,095	2
o-Xylene	3,159	3,160	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

<i>RPD LIMITS = 20%</i>

Chain of Custody Record

ASSOCIATED LABORATORIES

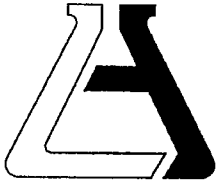
806 North Batavia ■ Orange, CA 92868
Phone: (714) 771-6900 ■ Fax: (714) 538-1209



Company THIRTY OIL CO Phone _____							A.L. Job No. 254 (209)		Page 1 of 1		
Project Manager SIMON TREGURTHA Fax _____							Analysis Requested			Test Instructions & Comments	
Project Name TOC #063 Project # _____											
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA							<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 2px;">X TPHG (8015)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 2px;">X BTEX+OXYS (8260B)</div> </div>				
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.					
1	MW-A	5/8/10	1700	AIR	TEDLAR	NONE					
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	1	Properly Cooled Y/N/NA	(NA)	Signature: <i>Noel Sherrin</i>	Signature:	Signature:
Custody Seals Y/N/NA	(NA)	Samples Intact Y/N/NA	(Y)	Printed Name:	Printed Name:	Printed Name:
Received in Good Condition Y/N	(Y)	Samples Accepted Y/N	(Y)	Date: 5/11/10 Time:	Date: Time:	Date: Time:
Turn Around Time				Received By: 1.	Received By: 2.	Received By: 3.
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: <i>[Signature]</i>	Signature:	Signature:
				Printed Name: <i>Juan Hernandez</i>	Printed Name:	Printed Name:
				Date: 5-11-10 Time: 16:52	Date: Time:	Date: Time:

email noelsherrin



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 254625

REPORTED 05/19/2010

RECEIVED 05/11/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.
1079275
1079276

Client Sample Identification
TOC #063 MW-4
Laboratory Method Blank

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

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1079275

Client Sample ID: TOC #063 MW-4

Matrix: WATER

Date Sampled: 05/08/2010 Time Sampled: 17:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE

Benzene	84	1.0	1	0.18	ug/L	05/15/10 NZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/15/10 NZ
Ethyl benzene	97	1.0	5	0.21	ug/L	05/15/10 NZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/15/10 NZ
Methyl-tert-butylether (MTBE)	90	1.0	1	0.19	ug/L	05/15/10 NZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/15/10 NZ
Tertiary butyl alcohol (TBA)	870	1.0	10	5.2	ug/L	05/15/10 NZ
Toluene	ND	1.0	5	0.24	ug/L	05/15/10 NZ
Xylenes, total	9.2	1.0	5	0.45	ug/L	05/15/10 NZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	96			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135
Surr3 - Toluene-d8	97			%	70 - 135
Surr4 - p-Bromofluorobenzene	103			%	70 - 135

8015B - Gasoline

Gasoline	4410	1.0	50	6.6	ug/L	05/13/10 LT
----------	------	-----	----	-----	------	-------------

Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	73			%	60 - 140

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



Order #: 1079276

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	05/14/10 NZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	05/14/10 NZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	05/14/10 NZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	05/14/10 NZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	05/14/10 NZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	05/14/10 NZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	05/14/10 NZ
Toluene	ND	1.0	5	0.24	ug/L	05/14/10 NZ
Xylenes, total	ND	1.0	5	0.45	ug/L	05/14/10 NZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	104			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 135	
Surr3 - Toluene-d8	103			%	70 - 135	
Surr4 - p-Bromofluorobenzene	104			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	05/12/10 LT
Surrogates				Units	Control Limits	
p-Bromofluorobenzene (Sur)	82			%	60 - 140	

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

ASSOCIATED LABORATORIES

Analytical Results Report

Lab Request 254625 results, page 2 of 2



Chain of Custody Record

ASSOCIATED LABORATORIES

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



254625

Page 1 of 1

Company THRIFTY OIL CO				Phone		A.L. Job No.					
Project Manager SIMON TREGURHA				Fax		Analysis Requested				Test Instructions & Comments	
Project Name TOC #063				Project #		TPH+G(8015) BTEX+OXYS (8260B)					
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA											
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.					
1	MW-4	5/8/10	1710	W	3 VOA	Hei	X	X			
2											
3											
4											
5											
6											
7											
8											
9											
10											email nocishemi
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	3	Properly Cooled	<input checked="" type="checkbox"/> N / NA	Signature:	<i>Nocishemi</i>		Signature:		
Custody Seals	Y / N / NA	Samples Intact	<input checked="" type="checkbox"/> N / NA	Printed Name:			Printed Name:		
Received in Good Condition	<input checked="" type="checkbox"/> Y / N	Samples Accepted	<input checked="" type="checkbox"/> Y / N	Date:	5/11/10	Time:	16:50	Date:	Time:
Turn Around Time				Received By:	ASL 1.		Received By:	2.	
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	<i>Juan Martinez</i>		Signature:		
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Juan Martinez		Printed Name:		
				Date:	5-11-10	Time:	16:50	Date:	Time:



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Thrifty Oil Project: _____
 Date Received: 5/11/10 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

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

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

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

Section 4
 Explanations/Comments

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

Completed By: Mulchong Date: 5-11-10

CalClean Inc.

ATTACHMENT 2

**HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM
FIELD DATA SHEETS**

757

HIGH VACUUM

SVE or DPE

FIELD DATA SHEET

CALCLEAN INC.

(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE

City: OAKLAND

Site #: THRIFTY #063

Date: 5/03/2010

Page 1 of 3

Client: THRIFTY OIL CO.

Operator (s): NICK

Supervisor: BERNARDO

From: 5/03

To:

EXTRACTION WELLS

OBSERVATION WELLS

Well I.D.					EXTRACTION WELLS									OBSERVATION WELLS								Water Meter Readings	Cumul. Water Extracted
Screen Interval: From-To (ft)					MW-4						MW-1			MW-3		MW-7		MW-8					
Initial Depth To Water DTW (ft)					9 - 29						15 - 30			15 - 30		8 - 18		8 - 18					
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	units	gals
5/03					ON		24'															2469090	
1600	24	35	1403	321										0.00	10.43	0.00	10.43	0.00	11.10	0.00	12.28	2469090	
1630	24	36	1407	372																			
1700	24	34	1406	691																			
1800	24	31	1408	653																			
1900	24	34	1404	687																			
2000	24	36	1404	642										0.10	10.52	0.15	10.61	0.00	11.17	0.00	12.34	2469220	130
2100	24	32	1406	596																			
2200	24	34	1405	523																			
2300	24	36	1403	471																			
5/04																							
0001	24	38	1402	486										0.15	10.58	0.40	10.77	0.00	11.21	0.00	12.41		
0100	24	36	1401	421																			
0200	24	37	1407	352																			
0300	24	36	1406	317																			
0400	24	38	1412	302																			
0600	24	39	1409	228																			
0800	24	36	1407	155										0.21	10.63	0.45	10.88	0.00	11.25	0.00	12.43	2470080	990
1000	24	37	1406	284																			
1200	24	35	1421	276																			

Comments: 5/03 - START UP UNIT @ 1545, INFLUENT GROUNDWATER SAMPLE FOR MW-4 TAKEN @ 1605, VAPOR SAMPLE FOR MW-4 TAKEN @ 1700, STALK SAMPLE TAKEN @ 1720.

5/04 - SWITCHED TO CAT CELL @ 1130.

HIGH VACUUM

SVE or DPE

FIELD DATA SHEET

CALCLEAN INC.

(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE

City: OAKLAND

Site #: THRIFTY #063

Date: 5/04/2010

Page 2 of 3

Client: THRIFTY OIL CO.

Operator (s): Nick

Supervisor: BERNARDO

From: 5/3

To:

EXTRACTION WELLS

OBSERVATION WELLS

Well I.D.					EXTRACTION WELLS									OBSERVATION WELLS								Water Meter Readings	Cumul. Water Extracted
Screen Interval: From-To (ft)					MW-4									MW-1		MW-3		MW-7		MW-8			
Initial Depth To Water DTW (ft)					9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	units	gals
5/04					ON		24															2462090	
1400	24	38	621	163																			
1600	24	37	624	139										0.15	10.68	0.35	10.94	0.00	11.31	0.00	12.47		
1800	24	38	626	145																			
2000	24	36	620	131																		2470840	1750
5/05																							
0001	24	38	621	126																			
0400	24	37	620	119																			
0800	24	34	640	128										0.15	10.72	0.40	10.99	0.00	11.34	0.00	12.51	2471530	2440
1200	24	36	631	143																			
1600	24	33	621	158																			
2000	24	37	624	123										0.10	10.83	0.35	11.02	0.00	11.37	0.00	12.54	2472110	3020
5/06																							
0001	24	32	623	138																			
0400	24	36	617	121																			
0800	24	35	618	163										0.10	10.87	0.30	11.07	0.00	11.41	0.00	12.58	2472680	3590
1200	24	34	625	156																			
1600	24	33	630	181																			
2000	24	34	628	202										0.15	10.91	0.35	11.09	0.00	11.42	0.00	12.63	2473170	4080

Comments: 5/05 - TOOK VAPOR SAMPLE OF MW-4 @ 1600

5/06 - TOOK INFLUENT H₂O SAMPLE @ MW-4 @ 0500. TOOK VAPOR SAMPLE OF MW-4 @ 1615

HIGH VACUUM

SVE or DPE

FIELD DATA SHEET

CALCLEAN INC.

(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE**

City: **OAKLAND**

Site #: **THRIFTY #063**

Date: **5/7/2010**

Page **3** of **3**

Client: **THRIFTY OIL CO.**

Operator (s): **NICK**

Supervisor: **BERNARDO**

From: **5/03**

To: _____

EXTRACTION WELLS

OBSERVATION WELLS

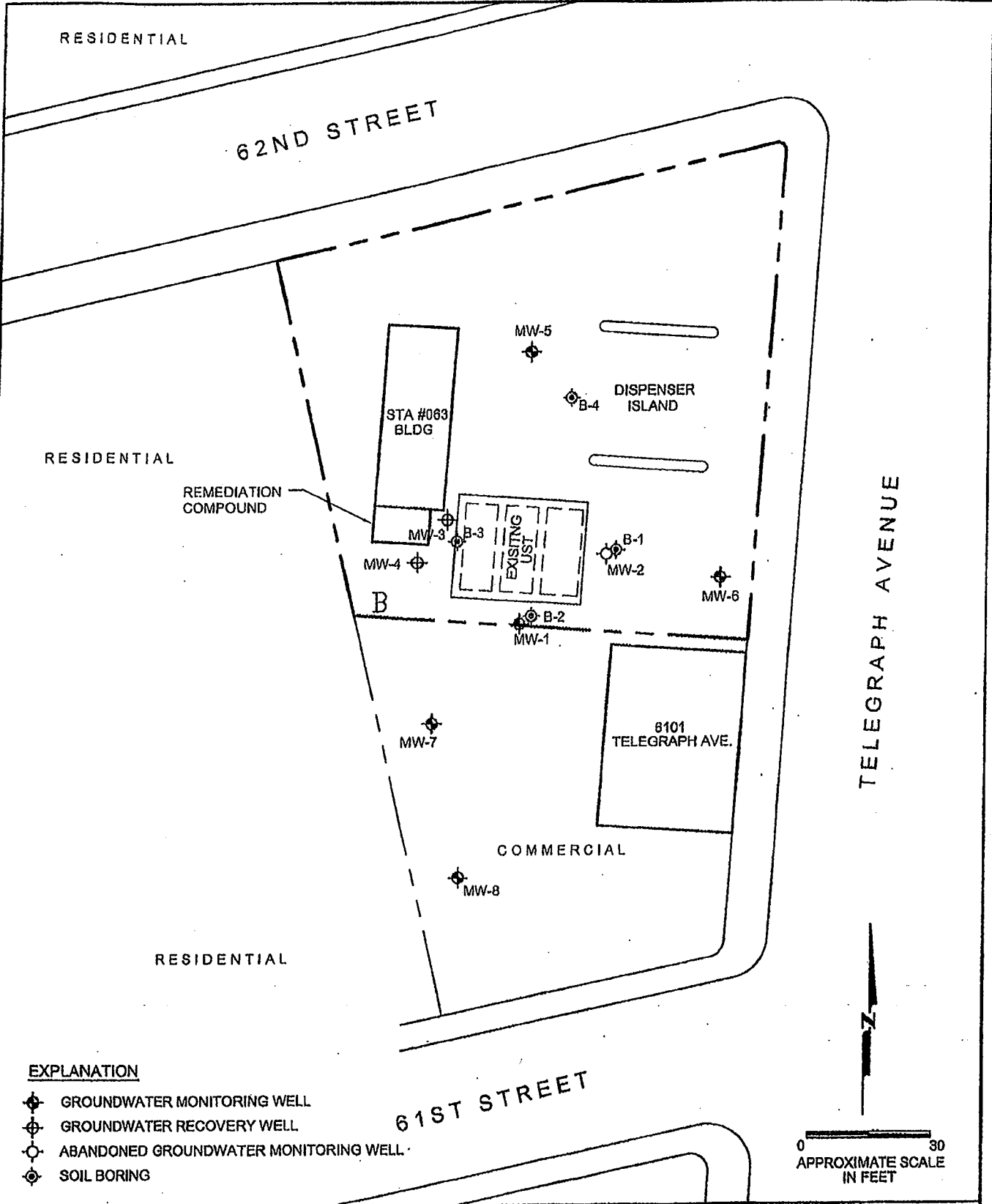
Well I.D.					MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
Screen Interval: From-To (ft)					9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
Initial Depth To Water DTW (ft)					10.70/25.35									10.43/29.18		10.43/15.85		11.10/17.48		12.28/18.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	Vacuum "H ₂ O	DTW (ft)	units	gals
5/07					ON		24'															2469090	
0001	24	33	621	217																			
0400	24	37	624	203																			
0800	24	35	623	191										0.10	10.93	0.30	11.12	0.00	11.46	0.00	12.65	2473650	4500
1200	24	36	628	218																			
1600	24	35	625	183																			
2000	24	37	625	209										0.10	10.94	0.35	11.17	0.00	11.48	0.00	12.67	2474130	5040
5/08																							
0001	24	33	613	226																			
0400	24	35	614	213																			
0800	24	31	618	197										0.10	10.97	0.40	11.19	0.00	11.49	0.00	12.71	2474430	5340
1200	24	32	614	214																			
1600	24	37	619	233										0.15	11.01	0.35	11.23	0.00	11.51	0.00	12.73	2474810	5720

Comments: 5/08 - Took VAPOR SAMPLE of MW-4 @ 1600, Took INFLUENT H₂O SAMPLE of MW-4 @ 1610
 END H₂O METER - 2474810.

ATTACHMENT B

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
4/8/1991	1,669	0	-	-	<0.3	<0.3	<0.3	<0.9	-	1300	120	<7.5	1300
4/15/1991	5,742	4,073	582	-	<0.3	<0.3	<0.3	<0.3	-	700	140	<15	500
4/22/1991	10,240	8,571	643	-	<0.3	<0.3	<0.3	<0.9	-	850	100	34	860
4/29/1991	15,510	13,841	753	-	<0.3	<0.3	<0.3	<0.9	-	220	8.4	<0.3	42
5/6/1991	20,200	18,531	670	-	<0.3	<0.3	<0.3	<0.9	-	280	0.8	<0.3	56
5/13/1991	24,430	22,761	604	-	<0.3	<0.3	<0.3	<0.9	-	190	5.6	<0.3	37
5/20/1991	28,480	26,811	579	-	<0.3	<0.3	<0.3	<0.9	-	150	0.83	1.4	29
5/28/1991	29,310	27,641	104	-	<0.3	<0.3	<0.3	<0.9	-	<0.3	<0.3	<0.3	<0.9
6/3/1991	33,080	31,411	628	-	<0.3	<0.3	<0.3	<0.9	-	58	4	<0.3	33
6/10/1991	36,939	35,270	551	-	<0.3	<0.3	<0.3	<0.9	-	45	<0.3	<0.3	16
6/17/1991	40,673	39,004	533	-	<0.3	<0.3	<0.3	<0.9	-	69	4.9	0.9	21
6/24/1991	44,453	42,784	540	-	<0.3	<0.3	<0.3	<0.9	-	5.4	2	<0.3	6.6
7/1/1991	48,173	46,504	531	-	<0.5	<0.5	<1	<1	-	14	15	<1	9.1
7/8/1991	51,681	50,012	501	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	6.9
7/15/1991	55,186	53,517	501	-	<0.5	<0.5	<1	<1	-	<0.5	0.6	<1	6.3
7/22/1991	62,150	60,481	995	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	2.6
7/29/1991	62,150	60,481	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	1.2	19
8/5/1991	63,241	61,572	156	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	<1
8/12/1991	66,091	64,422	407	-	<0.5	<0.5	<1	<1	-	2.6	<0.5	<1	12
8/19/1991	67,649	65,980	223	-	<0.5	<0.5	<1	<1	-	20	3.3	2.8	70
8/26/1991	70,514	68,845	409	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	1.2	19
9/9/1991	70,564	68,895	4	-	<0.5	<0.5	<1	<1	-	270	10	13	69
9/16/1991	73,526	71,857	423	System shut down due to damaged compressor pump									
10/7/1991	73,526	71,857	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.8
10/14/1991	74,516	72,847	141	-	<0.5	<0.5	<1	<1	-	60	1.1	<1	23
10/21/1991	76,091	74,422	225	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	<1
10/28/1991	83,242	81,573	1,022	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	14
11/3/1991	83,242	81,573	-	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.1
11/11/1991	84,351	82,682	139	-	<0.5	<0.5	<1	<1	-	99	1.9	<1	14
11/18/1991	85,647	83,978	185	-	<0.5	<0.5	<1	<1	-	42	1	1	10
11/25/1991	89,512	87,843	552	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.9
12/3/1991	93,407	91,738	487	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.8
12/9/1991	96,210	94,541	467	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.2
12/16/1991	99,045	97,376	405	-	<0.5	<0.5	<0.5	<0.5	-	1.3	<0.5	<0.5	1.5
12/23/1991	102,334	100,665	470	-	<0.5	<0.5	<0.5	<0.5	-	1.7	<0.5	<0.5	2.4
12/30/1991	105,124	103,455	399	-	<0.5	<0.5	<0.5	<0.5	-	22.6	1.2	0.7	4.9
1/15/1992	115,691	114,022	660	-	<0.5	<0.5	<0.5	<0.5	-	130	11	<0.5	50
2/10/1992	124,846	123,177	352	-	<0.5	<0.5	<0.5	<0.5	-	20	0.51	<0.5	3.6
3/9/1992	149,965	148,296	897	<200	<0.5	<0.5	<0.5	<0.5	12,000	2,100	400	170	2,100
4/13/1992	168,567	166,898	531	<200	<0.5	<0.5	<0.5	<0.5	2,100	280	3.9	<2.5	98
5/11/1992	187,170	185,501	664	<200	<0.5	0.7	<0.5	<0.5	<200	<0.5	<0.5	<0.5	<0.5
6/8/1992	190,490	188,821	119	-	<0.5	<0.5	<0.5	<0.5	-	44	3.7	0.7	64
7/6/1992	197,080	195,411	235	-	-	-	-	-	-	-	-	-	-
7/13/1992	197,890	196,221	116	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
7/13/1992	197,890	196,221	-	System shut down for repair of electrical motor									
8/10/1992	197,890	196,221	-	Restart the system									
8/17/1992	201,300	199,631	487	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	<0.5	<1
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	<200	<0.5	<0.5	<0.5	<1
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1	-	1.1	0.5	<0.5	10
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<1	-	720	46	<10	1,700
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1	-	400	32	<25	520
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	9,000	1,400	330	260	1,200
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1	-	1,100	150	7.5	1,000



PROJECT NO.	SITE PLAN	FIGURE: 1
		SHEET of
	Thrifty Station No. 063 6126 Telegraph Avenue Oakland, California	REVISION NO: 0
		DATE: 03/07

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1	7,200	1,100	100	25	780
04/26/93	271,290	269,621	-	System shut down for repair									
07/15/93	272,577	270,908	16	Restart the system									
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	1.3	<0.5	<0.5	1.6
09/16/93	296,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	<0.5
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	430	41	36	480
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.									
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3	7.7
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	170	1.5	<0.3	0.38	0.73
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	1,500	46	4.1	0.5	84
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	12,000	860	37	<13	1,600
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-	-	-	-
01/16/95	742,074	481,447	0	System shut down for repair of compressor pump									
02/06/95	742,074	481,447	-	Restart the system									
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5
03/13/95	758,930	498,303	531	<100	<0.5	<0.5	<0.5	<1	1,300	<0.5	<0.5	<0.5	<1
04/17/95	768,276	507,649	267	<100	<0.5	<0.5	<0.5	<1	6,200	410	73	97	280
05/15/95	780,716	520,089	444	<100	<0.5	<0.5	<0.5	<1	1,300	0.6	<0.5	<0.5	<1
06/12/95	784,514	523,887	136	<100	<0.5	<0.5	<0.5	<1	<100	<0.5	<0.5	<0.5	<1
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1	1,100	<0.5	<0.5	<0.5	<1
08/14/95	795,216	534,589	39	<100	<0.5	<0.5	<0.5	<1	170	<0.5	<0.5	<0.5	<1
09/06/95	797,631	537,004	105	<100	<0.5	<0.5	<0.5	<1	1,320	<0.5	<0.5	<0.5	<1
10/17/95	800,316	539,689	65	<100	<0.5	<0.5	<0.5	<1	2,400	26	2.7	3.9	46
11/20/95	806,264	545,637	175	150	<0.3	<0.3	<0.3	<0.5	450	0.31	<0.3	<0.3	<0.5
12/11/95	809,236	548,609	142	300	<0.3	<0.3	<0.3	0.59	470	<0.3	<0.3	<0.3	<0.5
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0.5	900	0.39	<0.3	<0.3	<0.5
02/19/96	848,213	587,586	728	800	<0.3	0.57	<0.3	0.83	1700	23	3.7	<0.3	80
03/19/96	849,587	588,960	47	930	<0.3	<0.3	<0.3	<0.5	1,600	5.5	1.4	<0.3	94
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0.5	1,100	0.43	<0.3	<0.3	<0.5
05/13/96	890,214	629,587	1,363	840	<0.3	<0.3	<0.3	<0.5	910	<0.3	<0.3	<0.3	<0.5
05/13/96	890,214	629,587	-	System shut down for carbon change									
06/14/96	890,214	629,587	-	Restart the system									
06/18/96	890,818	630,191	151	<50	<0.3	<0.3	<0.3	<0.5	1,000	92	8.7	3.4	55
07/01/96	892,781	632,154	151	-	-	-	-	-	-	-	-	-	-
07/08/96	894,210	633,583	204	System shut down due to burglary and damaged air compressor									
08/05/96	894,210	633,583	-	Restart the system									
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5	3,500	160	110	220	650
09/23/96	899,410	638,783	78	<50	<0.3	<0.3	<0.3	<0.5	<50	0.49	<0.3	<0.3	<0.5
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	730	1.7	0.42	2.1	2.5
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	81	<0.3	<0.3	<0.3	<0.5
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0.3	<0.5	13,000	590	250	180	850

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g	B	T	E	X	TPH-g	B	T	E	X
				ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
02/10/97	912,610	651,983	285	82	<0.3	0.38	<0.3	<0.5	700	0.92	0.75	<0.3	4.1
03/10/97	921,020	680,393	300	<50	<0.3	<0.3	<0.3	<0.5	600	<0.3	<0.3	<0.3	<0.5
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5	4,400	<0.3	<0.3	<0.3	<0.5
05/12/97	941,028	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	5,600	7.3	0.32	<0.3	17
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	1,500	3.4	<0.3	<0.3	26
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor									
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	<0.5	550	<0.3	<0.3	<0.3	<0.5
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	65,000	690	8,400	3,100	20,000
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-
02/09/98		736,247	-	System shut down due to the UST replacement and station remodeling									
02/17/98		736,247	-	<50	<0.3	<0.3	<0.3	<0.5	35,000	150	<15	<15	8,900
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)									
4/13 - 6/1/98	-	736,247	-	System was undergoing several maintenance / piping / hose replacement									
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	3,500	14	0.56	<0.3	26
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0.5	2,200	21	4	<0.3	100
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-
11/20/98	-	746,199	-	System shut down for flowmeter replacement									
12/01/98	0.0	746,199	-	Restart the system with flowmeter at 000									
12/31/98	5,340.0	751,539	178	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down									
1/11 - 2/1/99	-	761,219	-	System was undergoing maintenance for the compressor									
01/20/99	-	761,219	-	<50	<0.3	<0.3	<0.3	<0.5	110	0.43	0.42	<0.3	<0.5
02/01/99	15,600.0	761,799	28	Restart system									
02/12/99	22,840.0	769,039	658	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement									
03/26/99	22,840.0	769,039	-	Restart the system									
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
05/11/99	36,010.0	782,209	256	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000.0	792,199	714	System shut down due to carbon canister leaking									
09/02/99	46,000.0	792,199	-	Restart system									
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	65	<0.3	<0.3	<0.3	<0.5
10/21/99	47,278.0	793,477	34	System shut down for carbon change									
11/24/99	47,283.0	793,482	0	Restart system									
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	<50	1.3	<0.25	<0.25	<0.5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	923	<0.6	2	85	80
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	3,820	<0.3	<0.3	<0.3	<0.6
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<50	<0.3	<0.3	<0.3	<0.6
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem restarted on 10/25/00 after QWS									
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	17,100	111	121	141	972
10/27/00	2,160	848,059	1,080	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560	862,459	435	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	10,000	384	223	<0.18	1,330
02/19/01	99,640	945,539	1,128	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	4,040	191	4	42	38
04/13/01	169,210	1,015,109	540	Shut down system for replacement of carbon drums									
04/18/01	169,210	1,015,109	-	Restart system									
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	1,400	<0.18	<0.14	<0.18	<0.26
05/02/01	186,800	1,032,699	1,073	Shut down system for carbon change									
05/18/01	186,900	1,032,799	6	Restart system									
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	3,100	15	<0.14	1	2
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	860	<50	<0.18	<0.14	<0.18	<0.26	748	15	<0.14	2	2.7
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	956	1.2	<0.14	<0.18	<0.26
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	232	1	1	<0.18	<0.26
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	105	<0.18	<0.14	<0.18	<0.26
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-
05/06/02	895,920	1,741,819	1	System off; Restart									
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,839,639	-	-	<0.5	<0.7	<0.8	<3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results (sample collected by us)				
06/24/02	1,001,590	1,847,489	374	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	4,710	1	1.2	<0.18	2
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change									
08/16/02	1,052,820	1,898,719	-	Restart									
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)				
09/30/02	1,110,180	1,956,079	377	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	128	<0.18	<0.14	<0.18	<0.26
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	9,860	<1.4	29	14	2,420
01/13/03	1,189,320	2,035,219	959	Shut down for QWS									
01/15/03	1,189,320	2,035,219	-	Restart									
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off									

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				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
03/28/03	1,257,710	2,103,609	-	Restart	-	-	-	-	-	-	-	-	-
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	14,000	20	20	2.2	14
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS									
04/16/03	1,294,080	2,139,979	10	Restart	-	-	-	-	-	-	-	-	-
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-
04/28/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change									
05/07/03	1,302,710	2,148,609	-	Restart	-	-	-	-	-	-	-	-	-
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2,164,359	2,176	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS									
07/15/03	1,369,730	2,215,629	-	Restart	-	-	-	-	-	-	-	-	-
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	7,710	<0.04	<0.02	<0.02	<0.06
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change									
08/29/03	1,411,560	2,257,459	3	Restart	-	-	-	-	-	-	-	-	-
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer									
09/26/03	1,429,700	2,275,599	-	Restart	-	-	-	-	-	-	-	-	-
09/29/03	1,430,560	2,276,459	287	-	-	-	-	-	-	-	-	-	-
10/06/03	1,431,140	2,277,039	83	System shut down for QWS									
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	-	-	-	-
10/10/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	16,200	<0.04	4.4	4.8	46
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	-	-	-	-
10/22/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results (sample collected by us)				
10/27/03	1,435,610	2,281,509	204	-	-	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-	-	-	-
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	-
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-	-
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-	-	-	-	-	-
12/17/03	1,462,410	2,308,309	511	-	-	-	-	-	-	-	-	-	-
12/26/03	1,468,630	2,314,529	691	-	-	-	-	-	-	-	-	-	-
12/31/03	1,469,710	2,315,609	216	-	-	-	-	-	-	-	-	-	-
01/06/04	1,472,000	2,317,899	382	<15	<0.04	<0.02	<0.02	<0.06	7,900	658	1,560	62	1,090
01/14/04	1,474,650	2,320,549	331	System shut down for QWS; Restarted 1/15/04									
01/28/04	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results (sample collected by us)				
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-	-
02/10/04	1,494,550	2,340,449	368	-	-	-	-	-	-	-	-	-	-
02/20/04	1,498,790	2,344,689	424	-	-	-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	
02/25/04	1,499,360	2,345,259	114	-	-	-	-	-	-	-	-	-	-	
03/03/04	1,514,700	2,360,599	2,191	-	-	-	-	-	-	-	-	-	-	
03/09/04	1,517,300	2,363,199	433	-	-	-	-	-	-	-	-	-	-	
03/17/04	1,519,100	2,364,999	225	-	-	-	-	-	-	-	-	-	-	
03/24/04	1,524,600	2,370,499	786	-	-	-	-	-	-	-	-	-	-	
04/01/04	1,529,300	2,375,199	588	-	-	-	-	-	-	-	-	-	-	
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	1,380	113	93	16	76	
04/14/04	1,533,000	2,378,899	257	System shut down for QWS on 4/7; Restarted 4/14					-	-	-	-	-	-
04/22/04	1,576,400	2,422,299	5,425	-	-	-	-	-	-	-	-	-	-	
04/28/04	1,623,500	2,469,399	7,850	-	-	-	-	-	-	-	-	-	-	
05/06/04	1,668,920	2,514,819	5,678	-	-	-	-	-	-	-	-	-	-	
05/13/04	1,691,100	2,536,999	3,169	-	-	-	-	-	-	-	-	-	-	
05/20/04	1,726,500	2,572,399	5,057	-	-	-	-	-	-	-	-	-	-	
05/28/04	1,748,910	2,594,809	2,801	-	-	-	-	-	-	-	-	-	-	
06/04/04	1,749,320	2,595,219	59	Found system off; for replacement of on and off switch					-	-	-	-	-	-
06/11/04	1,749,320	2,595,219	-	Restarted					-	-	-	-	-	-
06/16/04	1,751,910	2,597,809	518	-	-	-	-	-	-	-	-	-	-	
06/22/04	1,753,550	2,599,449	273	-	-	-	-	-	-	-	-	-	-	
07/02/04	1,756,530	2,602,429	298	-	-	-	-	-	-	-	-	-	-	
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	652	31	<0.32	<0.31	2.1J	
07/15/04	1,759,260	2,605,159	21	-	-	-	-	-	-	-	-	-	-	
07/22/04	1,760,630	2,606,529	196	-	-	-	-	-	-	-	-	-	-	
07/28/04	1,762,810	2,608,709	363	Shut down system for carbon change					-	-	-	-	-	-
08/05/04	1,762,810	2,608,709	-	Restarted					-	-	-	-	-	-
08/12/04	1,765,370	2,611,269	366	-	-	-	-	-	-	-	-	-	-	
08/20/04	1,767,950	2,613,849	323	-	-	-	-	-	-	-	-	-	-	
08/27/04	1,771,100	2,616,999	450	-	-	-	-	-	-	-	-	-	-	
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-	-	-	-	-	-	
09/07/04	1,777,590	2,623,489	960	-	-	-	-	-	-	-	-	-	-	
09/10/04	1,778,460	2,624,359	290	Shut down system due to operator vacation					-	-	-	-	-	-
09/29/04	1,778,460	2,624,359	-	Restarted					-	-	-	-	-	-
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<15	<0.22	<0.32	<0.31	<0.4	
10/12/04	1,782,540	2,628,439	547	Shut down system for QWS					-	-	-	-	-	-
10/21/04	1,782,680	2,628,579	16	Restarted					-	-	-	-	-	-
10/27/04	1,784,630	2,630,529	325	-	-	-	-	-	-	-	-	-	-	
11/03/04	1,784,680	2,630,579	7	-	-	-	-	-	-	-	-	-	-	
11/11/04	1,787,490	2,633,389	351	-	-	-	-	-	-	-	-	-	-	
11/19/04	1,789,350	2,635,249	233	-	-	-	-	-	-	-	-	-	-	
12/01/04	1,789,800	2,635,699	38	-	-	-	-	-	-	-	-	-	-	
12/10/04	1,792,780	2,638,679	331	-	-	-	-	-	-	-	-	-	-	
12/15/04	1,795,460	2,641,359	536	-	-	-	-	-	-	-	-	-	-	
12/22/04	1,798,000	2,643,899	363	-	-	-	-	-	-	-	-	-	-	
12/29/04	1,800,580	2,646,479	369	-	-	-	-	-	-	-	-	-	-	
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0.31	<0.4	291	9.1	<0.32	1.2 J	<0.4	
01/13/05	1,803,290	2,649,189	19	System tuned off for QWS on 1/5/05; Restarted on 1/13/05					-	-	-	-	-	-
01/20/05	1,804,020	2,649,919	104	Shut down system for repair and upgrade					-	-	-	-	-	-
04/30/05	1,804,020	2,649,919	-	System still off pending repairs and upgrade					-	-	-	-	-	-
05/10/05	1,804,020	2,649,919	-	Restarted system with MW-3 only					-	-	-	-	-	-
05/20/05	1,805,010	2,650,909	99	Added MW-4 to the system					-	-	-	-	-	-
05/26/05	1,807,630	2,653,529	437	-	-	-	-	-	-	-	-	-	-	
06/03/05	1,812,100	2,657,999	559	-	-	-	-	-	-	-	-	-	-	
06/10/05	1,816,540	2,662,439	634	-	-	-	-	-	-	-	-	-	-	
06/17/05	1,819,870	2,665,769	476	Compressor needs repair					-	-	-	-	-	-
06/24/05	1,823,140	2,669,039	467	Replace with new pump MW-3					-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L		
06/29/05	1,827,540	2,673,439	880	-	-	-	-	-	-	-	-	-	-	-	
07/08/05	1,829,830	2,675,729	254	-	-	-	-	-	-	-	-	-	-	-	
07/14/05	1,829,970	2,675,869	23	<2.9	<0.17	<0.22	<0.14	<0.38	4,270	130	3.6 J	348	188	-	
07/22/05	1,832,760	2,678,659	349	-	-	-	-	-	-	-	-	-	-	-	
07/26/05	1,833,920	2,679,819	290	Shut down system for QWS					-	-	-	-	-	-	-
08/05/05	1,833,970	2,679,869	5	Restart sytem after QWS					-	-	-	-	-	-	-
08/09/05	1,836,930	2,682,829	740	-	-	-	-	-	-	-	-	-	-	-	
08/19/05	1,837,560	2,683,459	63	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling					-	
08/25/05	1,837,920	2,683,819	60	Shut down system for carbon change					-	-	-	-	-	-	-
09/01/05	1,837,980	2,683,879	9	Restarted					-	-	-	-	-	-	-
09/09/05	1,838,530	2,684,429	69	-	-	-	-	-	-	-	-	-	-	-	
09/16/05	1,841,230	2,687,129	386	-	-	-	-	-	-	-	-	-	-	-	
09/23/05	1,843,410	2,689,309	311	-	-	-	-	-	-	-	-	-	-	-	
09/30/05	1,844,820	2,690,719	201	-	-	-	-	-	-	-	-	-	-	-	
10/06/05	1,845,250	2,691,149	72	<2.9	<0.10	<0.15	<0.06	<0.40	2,410	<3.2	<1.0	28 J	<3.0	-	
10/11/05	1,846,030	2,691,929	156	System turned off for QWS on 10/11/05; Restarted on 10/14/05					-	-	-	-	-	-	
10/14/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					-	
10/14/05	1,846,590	2,692,489	187	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling					-	
10/21/05	1,847,810	2,693,709	174	-	-	-	-	-	-	-	-	-	-	-	
11/02/05	1,849,720	2,695,619	159	-	-	-	-	-	-	-	-	-	-	-	
11/08/05	-	-	-	-	<0.05	0.62	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					-	
11/10/05	1,850,760	2,696,659	130	-	-	-	-	-	-	-	-	-	-	-	
11/17/05	1,851,420	2,697,319	94	-	-	-	-	-	-	-	-	-	-	-	
11/23/05	1,854,560	2,700,459	523	-	-	-	-	-	-	-	-	-	-	-	
11/30/05	1,856,650	2,702,549	299	-	-	-	-	-	-	-	-	-	-	-	
12/09/05	1,858,340	2,704,239	188	-	-	-	-	-	-	-	-	-	-	-	
12/15/05	1,859,780	2,705,679	240	-	-	-	-	-	-	-	-	-	-	-	
12/22/05	1,860,420	2,706,319	91	-	-	-	-	-	-	-	-	-	-	-	
12/30/05	1,862,470	2,708,369	256	-	-	-	-	-	-	-	-	-	-	-	
01/06/06	1,866,760	2,712,659	613	-	-	-	-	-	-	-	-	-	-	-	
01/11/06	1,867,740	2,713,639	196	698	<0.32	<0.10	<0.24	<0.30	6,120	210	<0.10	419	130	-	
01/18/06	1,870,240	2,716,139	357	Shut down system for QWS and carbon change					-	-	-	-	-	-	
01/27/06	1,870,280	2,716,179	4	Restarted after QWS and carbon change					-	-	-	-	-	-	
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					-	
02/01/06	1,870,530	2,716,429	50	-	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling					-	
02/10/06	1,877,370	2,723,269	760	-	-	-	-	-	-	-	-	-	-	-	
02/17/06	1,879,230	2,725,129	266	-	-	-	-	-	-	-	-	-	-	-	
02/24/06	1,880,710	2,726,609	211	-	-	-	-	-	-	-	-	-	-	-	
03/01/06	1,882,270	2,728,169	312	-	-	-	-	-	-	-	-	-	-	-	
03/10/06	1,889,370	2,735,269	789	-	-	-	-	-	-	-	-	-	-	-	
03/17/06	1,889,660	2,735,559	41	-	-	-	-	-	-	-	-	-	-	-	
03/21/06	1,890,930	2,736,829	318	-	-	-	-	-	-	-	-	-	-	-	
03/29/06	1,891,880	2,737,779	119	-	-	-	-	-	-	-	-	-	-	-	
04/05/06	1,893,340	2,739,239	209	<5.6	<0.32	<0.10	<0.24	<0.30	1,520	72	<0.10	199	28	-	
04/11/06	1,895,480	2,741,379	357	-	-	-	-	-	-	-	-	-	-	-	
04/11/06	-	2,741,379	-	Shut down system for QWS					-	-	-	-	-	-	
04/14/06	1,895,490	2,741,389	3	Restart sytem after QWS					-	-	-	-	-	-	
04/21/06	1,897,130	2,743,029	234	-	-	-	-	-	-	-	-	-	-	-	
04/26/06	1,898,330	2,744,229	240	-	-	-	-	-	-	-	-	-	-	-	
05/03/06	1,900,240	2,746,139	273	-	-	-	-	-	-	-	-	-	-	-	
05/12/06	1,903,700	2,749,599	384	-	-	-	-	-	-	-	-	-	-	-	
05/19/06	1,905,570	2,751,469	267	-	-	-	-	-	-	-	-	-	-	-	
05/23/06	1,907,810	2,753,709	560	<5.6	<0.32	<0.10	<0.24	<0.30	683,000	3,600	135,000	25,100	165,000	-	
05/26/06	1,909,780	2,755,679	657	-	-	-	-	-	-	-	-	-	-	-	

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	
06/02/06	1,911,010	2,756,909	176	-	-	-	-	-	-	-	-	-	-	
06/09/06	1,912,670	2,758,569	237	-	-	-	-	-	-	-	-	-	-	
06/16/06	1,914,330	2,760,229	237	-	-	-	-	-	77,300	668	19,300	1,660	8,800	
06/23/06	1,917,210	2,763,109	411	-	-	-	-	-	-	-	-	-	-	
06/27/06	1,919,740	2,765,639	633	-	-	-	-	-	-	-	-	-	-	
07/06/06	1,921,470	2,767,369	192	3,730	44	874	26	503	-	-	-	-	-	
07/14/06	1,921,980	2,767,879	64	-	-	-	-	-	4,450	8.6 J	99	34 J	149	
07/18/06	1,922,070	2,767,969	23	Shut down system for carbon change					-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	System restarted after carbon change					-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	<5.6	<0.32	<0.10	<0.24	<0.30	763	<0.32	<0.10	<0.24	<0.30	
08/18/06	1,928,690	2,774,589	471	-	-	-	-	-	-	-	-	-	-	
08/25/06	1,929,580	2,775,479	127	-	-	-	-	-	-	-	-	-	-	
09/01/06	1,932,440	2,778,339	409	-	-	-	-	-	-	-	-	-	-	
09/08/06	1,936,240	2,782,139	543	-	-	-	-	-	-	-	-	-	-	
09/14/06	1,938,420	2,784,319	363	-	-	-	-	-	-	-	-	-	-	
09/20/06	1,939,710	2,785,609	215	-	-	-	-	-	-	-	-	-	-	
10/04/06	1,942,100	2,787,999	171	<5.6	<0.32	<0.10	<0.24	1.1 J	14,400	78	1,110	440	1,440	
10/13/06	1,945,320	2,791,219	358	-	-	-	-	-	-	-	-	-	-	
10/19/06	1,947,230	2,793,129	318	-	-	-	-	-	-	-	-	-	-	
10/24/06	1,948,670	2,794,569	288	Shut down system for QWS					-	-	-	-	-	
10/27/06	1,948,670	2,794,569	-	Restart system after QWS					-	-	-	-	-	
11/01/06	1,949,120	2,795,019	90	-	-	-	-	-	-	-	-	-	-	
11/09/06	1,951,030	2,796,929	239	-	-	-	-	-	-	-	-	-	-	
11/16/06	1,951,817	2,797,716	112	-	-	-	-	-	-	-	-	-	-	
11/22/06	1,952,010	2,797,909	32	-	-	-	-	-	-	-	-	-	-	
11/30/06	1,956,730	2,802,629	590	Shut down system for maintenance					-	-	-	-	-	
12/01/06	1,956,730	2,802,629	-	Restarted system					-	-	-	-	-	
12/07/06	1,958,510	2,804,409	297	-	-	-	-	-	-	-	-	-	-	
12/12/06	1,959,720	2,805,619	242	Shut down system due to operator vacation					-	-	-	-	-	
01/03/07	1,959,230	2,805,129	(22)	Restarted system					-	-	-	-	-	
01/05/07	1,959,670	2,805,569	220	-	-	-	-	-	-	-	-	-	-	
01/11/07	1,961,280	2,807,179	268	-	-	-	-	-	-	-	-	-	-	
01/18/07	1,963,200	2,809,099	274	System shut down for QWS					-	-	-	-	-	
01/24/07	1,963,200	2,809,099	-	<5.6	<0.17	<0.22	<0.14	<0.38	8,920	<1.6	115	91	612	
01/25/07	1,963,860	2,809,759	660	-	-	-	-	-	-	-	-	-	-	
02/02/07	1,967,120	2,813,019	408	-	-	-	-	-	-	-	-	-	-	
02/06/07	1,969,320	2,815,219	550	-	-	-	-	-	-	-	-	-	-	
02/16/07	1,971,040	2,816,939	172	-	-	-	-	-	-	-	-	-	-	
02/19/07	1,971,760	2,817,659	240	-	-	-	-	-	-	-	-	-	-	
02/28/07	1,978,320	2,824,219	729	-	-	-	-	-	-	-	-	-	-	
03/16/07	1,983,620	2,829,519	331	-	-	-	-	-	-	-	-	-	-	
03/23/07	1,985,120	2,831,019	214	-	-	-	-	-	-	-	-	-	-	
03/30/07	1,987,330	2,833,229	316	-	-	-	-	-	-	-	-	-	-	
04/05/07	1,989,120	2,835,019	298	-	-	-	-	-	-	-	-	-	-	
04/12/07	1,991,300	2,837,199	311	<5.6	<0.17	<0.22	<0.14	<0.38	6,640	43	916	296	1,810	
04/20/07	1,992,720	2,838,619	178	Shut down system for QWS					-	-	-	-	-	
04/27/07	1,992,730	2,838,629	1	Restart system after QWS					-	-	-	-	-	
05/03/07	1,994,500	2,840,399	295	-	-	-	-	-	-	-	-	-	-	
05/10/07	2,002,410	2,848,309	1,130	-	-	-	-	-	-	-	-	-	-	
05/17/07	2,004,320	2,850,219	273	-	-	-	-	-	-	-	-	-	-	
05/25/07	2,004,810	2,850,709	61	-	-	-	-	-	-	-	-	-	-	
06/01/07	2,005,210	2,851,109	57	-	-	-	-	-	-	-	-	-	-	
06/14/07	2,006,540	2,852,439	102	-	-	-	-	-	-	-	-	-	-	
06/19/07	2,008,320	2,854,219	356	-	-	-	-	-	-	-	-	-	-	

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/21/07	2,008,740	2,854,639	210	-	-	-	-	-	15,800	186	1,890	410	2,060
06/29/07	2,016,480	2,862,379	968	-	-	-	-	-	-	-	-	-	-
07/06/07	2,014,260	2,864,599	317	-	-	-	-	-	-	-	-	-	-
07/13/07	2,013,420	2,865,439	120	-	-	-	-	-	-	-	-	-	-
07/20/07	2,015,230	2,867,249	259	-	-	-	-	-	-	-	-	-	-
07/24/07	2,015,620	2,867,639	98	Shut down system for QWS					-	-	-	-	-
07/27/07	2,015,670	2,867,689	17	Restart sytem after QWS					-	-	-	-	-
08/03/07	2,016,310	2,868,329	91	-	-	-	-	-	-	-	-	-	-
08/10/07	2,017,430	2,869,449	160	-	-	-	-	-	-	-	-	-	-
08/17/07	2,017,960	2,869,979	76	<5.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-
08/24/07	2,018,100	2,870,119	20	-	-	-	-	-	-	-	-	-	-
08/31/07	2,018,210	2,870,229	16	-	-	-	-	-	-	-	-	-	-
09/07/07	2,018,630	2,870,649	60	Shut down system for repairs					-	-	-	-	-
09/14/07	2,019,810	2,871,829	169	Restart system					-	-	-	-	-
09/21/07	2,027,200	2,879,219	1,056	-	-	-	-	-	-	-	-	-	-
09/28/07	2,031,500	2,883,519	614	-	-	-	-	-	-	-	-	-	-
10/05/07	2,038,620	2,890,639	1,017	-	-	-	-	-	-	-	-	-	-
10/12/07	2,042,100	2,894,119	497	-	-	-	-	-	-	-	-	-	-
10/19/07	2,049,120	2,901,139	1,003	-	-	-	-	-	-	-	-	-	-
10/23/07	2,051,240	2,903,259	530	Shut down system for QWS					-	-	-	-	-
10/26/07	2,053,410	2,905,429	723	Restart sytem after QWS					-	-	-	-	-
11/06/07	2,064,180	2,916,199	979	<5.6	<0.15	<0.12	<0.09	<0.26	Split-sample results during EBMUD inspection & sampling				
11/20/07	2,075,400	2,927,419	801	<5.6	<0.15	<0.12	<0.09	<0.26	2,240	84	<0.24	46	5.7
11/30/07	2,082,110	2,934,129	671	-	-	-	-	-	-	-	-	-	-
12/14/07	2,086,930	2,938,949	344	-	-	-	-	-	3,980	102	869	229	1400
12/21/07	2,091,340	2,943,359	630	-	-	-	-	-	-	-	-	-	-
12/28/07	2,094,210	2,946,229	410	-	-	-	-	-	-	-	-	-	-
01/04/08	2,097,490	2,949,509	469	-	-	-	-	-	-	-	-	-	-
01/11/08	2,106,370	2,958,389	1,269	Shut down system for QWS					-	-	-	-	-
01/15/08	-	-	-	<5.6	<0.15	<0.12	<0.09	<0.26	804	54	3.2 J	45	11
01/25/08	2,109,820	2,961,839	246	Restart sytem after QWS					-	-	-	-	-
02/01/08	2,119,680	2,971,699	1,409	-	-	-	-	-	-	-	-	-	-
02/08/08	2,129,200	2,981,219	1,360	-	-	-	-	-	97,800	183	16,900	3,510	20,400
02/15/08	2,138,190	2,990,209	1,284	-	-	-	-	-	-	-	-	-	-
02/22/08	2,139,640	2,991,659	207	-	-	-	-	-	-	-	-	-	-
02/29/08	2,143,260	2,995,279	517	-	-	-	-	-	-	-	-	-	-
03/05/08	2,148,020	3,000,039	952	-	-	-	-	-	-	-	-	-	-
03/14/08	2,163,950	3,015,969	1,770	-	-	-	-	-	6,160	36	1,070	18	1,290
03/26/08	2,164,230	3,016,249	23	-	-	-	-	-	-	-	-	-	-
03/27/08	2,165,320	3,017,339	1,090	-	-	-	-	-	-	-	-	-	-
04/23/08	2,165,360	3,017,379	1.5	<6.6	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-
05/02/08	2,174,340	3,026,359	998	-	-	-	-	-	-	-	-	-	-
05/09/08	2,196,620	3,048,639	3,183	-	-	-	-	-	-	-	-	-	-
05/16/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-
05/23/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-
06/05/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-
06/10/08	2,198,960	3,050,979	468	-	-	-	-	-	-	-	-	-	-
06/20/08	2,205,410	3,057,429	645	-	-	-	-	-	-	-	-	-	-
06/25/08	2,213,010	3,065,029	1,520	-	-	-	-	-	26,600	54	721	629	4,320
07/03/08	2,221,620	3,073,639	1,076	-	-	-	-	-	-	-	-	-	-
07/09/08	2,230,580	3,082,599	1,493	<6.6	<0.18	<0.24	<0.21	<0.45	6,220	103	655	188	1,040
07/18/08	2,231,140	3,083,159	62	-	-	-	-	-	-	-	-	-	-
07/25/08	2,237,110	3,089,129	853	-	-	-	-	-	-	-	-	-	-
08/04/08	2,237,120	3,089,139	1.0	-	-	-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
08/08/08	2,240,350	3,092,369	808	-	-	-	-	-	9,480	65	1,080	375	2,120
08/22/08	2,249,810	3,101,829	676	-	-	-	-	-	-	-	-	-	-
08/24/08	2,255,420	3,107,439	2,805	-	-	-	-	-	-	-	-	-	-
09/04/08	2,261,960	3,113,979	595	-	-	-	-	-	-	-	-	-	-
09/11/08	2,264,120	3,116,139	309	-	-	-	-	-	-	-	-	-	-
09/18/08	2,270,870	3,122,889	964	-	-	-	-	-	-	-	-	-	-
09/24/08	-	-	-	-	<0.51	<0.51	<0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/24/08	2,270,960	3,122,979	15	<6.6	<0.18	<0.24	<0.21	<0.45	Split-sample results during EBMUD inspection & sampling				
09/26/08	2,272,540	3,124,559	790	-	-	-	-	-	-	-	-	-	-
10/03/08	2,280,060	3,132,079	1,074	-	-	-	-	-	-	-	-	-	-
10/08/08	2,286,630	3,138,649	1,314	-	-	-	-	-	-	-	-	-	-
10/16/08	2,294,110	3,146,129	935	-	-	-	-	-	-	-	-	-	-
10/28/08	2,307,750	3,159,769	1,137	-	-	-	-	-	8,490	100	1,130	308	1,680
11/07/08	2,316,370	3,168,389	862	-	-	-	-	-	-	-	-	-	-
11/14/08	2,322,890	3,174,909	931	-	-	-	-	-	-	-	-	-	-
11/21/08	2,330,420	3,182,439	1,076	-	-	-	-	-	-	-	-	-	-
11/26/08	2,337,570	3,189,589	1,430	-	-	-	-	-	-	-	-	-	-
12/05/08	2,344,350	3,196,369	753	-	-	-	-	-	-	-	-	-	-
12/10/08	2,351,080	3,203,099	1,346	-	-	-	-	-	-	-	-	-	-
12/18/08	2,358,770	3,210,789	961	-	-	-	-	-	-	-	-	-	-
12/19/08	2,358,920	3,210,939	150	-	-	-	-	-	-	-	-	-	-
12/23/08	2,366,510	3,218,529	1,898	<6.6	<0.18	<0.24	<0.21	<0.45	8,230	60	1,730	279	1,720
01/06/09	2,382,280	3,234,299	1,126	-	-	-	-	-	-	-	-	-	-
01/07/09	2,382,410	3,234,429	130	-	-	-	-	-	-	-	-	-	-
01/12/09	2,391,510	3,243,529	1,820	-	-	-	-	-	-	-	-	-	-
01/19/09	2,398,100	3,250,119	941	-	-	-	-	-	-	-	-	-	-
01/28/09	2,408,760	3,260,779	1,184	Shut down system for QWS									
01/30/09	2,408,790	3,260,809	15	Restart system after QWS									
02/04/09	2,415,390	3,267,409	1,320	-	-	-	-	-	-	-	-	-	-
02/11/09	2,424,020	3,276,039	1,233	-	-	-	-	-	-	-	-	-	-
02/13/09	2,424,210	3,276,229	95	System found off because of power failure, left system off for resampling of MW-4									
02/24/09	2,424,210	3,276,229	-	Restart system after resampling of MW-4									
03/03/09	2,424,510	3,276,529	43	-	-	-	-	-	-	-	-	-	-
03/08/09	2,425,820	3,277,839	262	-	-	-	-	-	-	-	-	-	-
03/11/09	2,426,810	3,278,829	330	-	-	-	-	-	-	-	-	-	-
03/18/09	2,427,010	3,279,029	29	Found system off. Air Compressor switch tripped									
03/25/09	2,427,640	3,279,659	90	-	-	-	-	-	-	-	-	-	-
03/30/09	2,428,090	3,280,109	90	-	-	-	-	-	-	-	-	-	-
04/13/09	2,429,710	3,281,729	116	-	-	-	-	-	-	-	-	-	-
04/23/09	2,431,060	3,283,079	135	-	-	-	-	-	8,180	49	976	299	2,160
04/27/09	2,431,770	3,283,789	178	-	-	-	-	-	-	-	-	-	-
05/05/09	2,432,710	3,284,729	118	Shut down system for QWS									
05/07/09	2,432,760	3,284,779	25	Restart system after QWS									
05/12/09	2,433,180	3,285,199	84	System shut down for carbon change									
05/29/09	2,433,290	3,285,309	6	System restarted after carbon change									
06/08/09	2,434,090	3,286,109	80	-	-	-	-	-	-	-	-	-	-
06/15/09	2,434,720	3,286,739	90	<6.6	<0.18	<0.24	<0.21	<0.45	1,310	191	94	2.9 J	101
06/16/09	2,434,830	3,286,849	110	-	-	-	-	-	-	-	-	-	-
06/22/09	2,435,510	3,287,529	113	Replaced pressure switch, System restarted									
07/06/09	2,436,320	3,288,339	58	-	-	-	-	-	-	-	-	-	-
07/14/09	2,437,200	3,289,219	110	-	-	-	-	-	-	-	-	-	-
07/20/09	2,437,950	3,289,969	125	-	-	-	-	-	-	-	-	-	-
07/29/09	2,438,670	3,290,689	80	-	-	-	-	-	-	-	-	-	-

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
08/03/09	2,439,360	3,291,379	138	-	-	-	-	-	-	-	-	-	-
08/11/09	2,439,980	3,291,999	78	-	-	-	-	-	-	-	-	-	-
08/18/09	2,440,700	3,292,719	103	-	-	-	-	-	-	-	-	-	-
08/25/09	2,441,210	3,293,229	73	-	-	-	-	-	-	-	-	-	-
09/01/09	2,442,070	3,294,089	123	-	-	-	-	-	-	-	-	-	-
09/09/09	2,442,820	3,294,839	94	-	-	-	-	-	-	-	-	-	-
09/14/09	-	-	-	-	<0.51	< 0.51	< 0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/14/09	2,443,040	3,295,059	44	<6.6	<0.23	<0.23	<0.26	<0.81	Split-sample results during EBMUD inspection & sampling				
09/22/09	2,443,780	3,295,799	93	Shut down system for maintenance					-	-	-	-	-
09/25/09	2,443,790	3,295,809	3	Restart system after maintenance					-	-	-	-	-
09/30/09	2,444,430	3,296,449	128	-	-	-	-	-	-	-	-	-	-
10/09/09	2,445,290	3,297,309	96	-	-	-	-	-	-	-	-	-	-
10/15/09	2,445,970	3,297,989	113	-	-	-	-	-	-	-	-	-	-
10/20/09	2,446,620	3,298,639	130	-	-	-	-	-	-	-	-	-	-
10/28/09	2,447,640	3,299,659	128	-	-	-	-	-	-	-	-	-	-
11/02/09	2,448,390	3,300,409	150	-	-	-	-	-	-	-	-	-	-
11/09/09	2,449,210	3,301,229	117	-	-	-	-	-	-	-	-	-	-
11/16/09	2,449,930	3,301,949	103	-	-	-	-	-	-	-	-	-	-
11/23/09	2,450,800	3,302,819	124	-	-	-	-	-	-	-	-	-	-
11/30/09	2,451,420	3,303,439	89	-	-	-	-	-	-	-	-	-	-
12/07/09	2,451,660	3,303,679	34	-	-	-	-	-	-	-	-	-	-
12/10/09	2,451,990	3,304,009	110	<6.6	<0.18	<0.24	<0.21	<0.45	15,400	177	1560	481	2920
12/11/09	2,451,990	3,304,009	-	System Shut down for QWS					-	-	-	-	-
12/17/09	2,452,040	3,304,059	7	Restart system after QWS					-	-	-	-	-
12/21/09	2,452,410	3,304,429	93	-	-	-	-	-	-	-	-	-	-
12/28/09	2,453,430	3,305,449	146	-	-	-	-	-	-	-	-	-	-

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
 In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system. The total number may be different from previous versions of this table.
 TPH is analyzed by EPA Method 8015 M
 BTEX is analyzed by EPA Method 8021 or 8260
 *MTBE by 8020 / 8260

ATTACHMENT C

TABLE 1
Historic Soil Sample Laboratory Analytical Results
 Thrifty Oil Station #063 - Oakland, CA
 GHC - 1332

Sample ID	Date Sampled	ANALYTICAL PARAMETERS					
		TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)
ESLs shallow soil (< 3m bgs)		100	0.044	2.9	3.3	2.3	0.023
ESLs deep soil (>3m bgs)		100	0.044	2.9	3.3	2.3	0.023
MW1-17	6/21/1986	471	7.6	6.3	7.3	39.7	-
MW2-14	6/21/1986	735	12.6	26.4	10.7	64.3	-
MW3-14	6/21/1986	52	5.4	1.9	1.3	6.9	-
MW4-10	11/13/1986	<10	<0.5	<0.5	-	<0.5	-
MW4-16	11/13/1986	1100	13.0	14.0	-	34.0	-
MW5-16	11/13/1986	<10	<0.5	<0.5	-	<0.5	-
MW6-15	11/13/1986	<10	<0.5	<0.5	-	<0.5	-
C-1	11/13/1986	58	<0.5	5.8	-	<0.5	-
B1-5	9/11/1987	-	-	-	-	-	-
B1-10	9/11/1987	<10	-	-	-	-	-
B1-15	9/11/1987	-	-	-	-	-	-
B1-20	9/11/1987	<10	-	-	-	-	-
B2-5	9/11/1987	-	-	-	-	-	-
B2-10	9/11/1987	-	-	-	-	-	-
B2-15	9/11/1987	-	-	-	-	-	-
B2-20	9/11/1987	-	-	-	-	-	-
B3-5	9/11/1987	-	-	-	-	-	-
B3-10	9/11/1987	-	-	-	-	-	-
B3-15	9/11/1987	-	-	-	-	-	-
B3-20	9/11/1987	-	-	-	-	-	-
B4-5	9/11/1987	-	-	-	-	-	-
B4-10	9/11/1987	-	-	-	-	-	-
B4-15	9/11/1987	-	-	-	-	-	-
B4-20	9/11/1987	-	-	-	-	-	-
TDD1-15	6/11/1997	480	2.3	<0.75	7.0	42	1.7
TDD1-20	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD2-15	6/11/1997	37.0	0.19	0.13	0.61	1.9	<1.0
TDD2-20	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD3-15	6/11/1997	7.5	0.043	<0.015	0.044	<0.045	12
TDD3-20	6/11/1997	<1.0	0.11	<0.0050	0.0070	<0.015	3.2
TDD4-15	6/11/1997	36	0.41	<0.038	0.39	1.2	14
TDD4-20	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	1.4
TDD5-10	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD5-20	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD6-5	6/11/1997	550	2.5	5.5	9.7	50	6.0
TDD6-10	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD7-5	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD7-10	6/11/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD8-10	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD8-20	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD9-5	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD9-10	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
TDD9-20	6/12/1997	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<1.0
T-1(8')	2/4/1998	61	0.085	1.3	0.77	4.6	0.60
T-2(8')	2/4/1998	260	<0.03	0.18	3.0	1.1	<0.3

TABLE 1
Historic Soil Sample Laboratory Analytical Results
 Thrifty Oil Station #063 - Oakland, CA
 GHC - 1332

Sample ID	Date Sampled	ANALYTICAL PARAMETERS					
		TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)
T-3(8')	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
T-4(8')	2/4/1998	2	<0.005	<0.005	<0.005	0.01	0.07
UST-10	2/4/1998	210	<0.12	<0.5	0.71	1.1	<1.2
P-1	2/4/1998	49	0.071	0.39	0.44	2.6	<0.25
P-2	2/4/1998	1,200	1.7	24	21	96	15
P-3	2/4/1998	<5	0.062	0.092	0.031	0.098	9.4
P-4	2/4/1998	310	1.6	25	7.4	47	26
P-5	2/4/1998	920	6.5	35	15	78	13
P-6	2/4/1998	330	1.9	5.5	8.3	38	<2.5
SS-1	2/4/1998	<1.0	<0.005	<0.005	<0.005	0.022	0.56
SS-2	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-3	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-4	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-5	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-6	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-7	2/4/1998	<1.0	<0.005	0.009	<0.005	0.008	<0.05
SS-8	2/4/1998	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05
SS-9	2/4/1998	<1.0	<0.005	0.006	<0.005	0.017	<0.05
SS-10	2/4/1998	<1.0	<0.005	<0.005	<0.005	0.016	<0.05
SS-11	2/4/1998	<1.0	<0.005	0.007	<0.005	0.007	<0.05
SS-12	2/4/1998	<1.0	<0.005	0.032	0.017	0.19	0.56
SS-13	2/4/1998	2,700	4.03	66	42	220	6.4
SS-14	2/4/1998	4	<0.005	0.74	0.047	0.33	0.86
SS-15	2/4/1998	3,600	4.2	78	49	260	7.3
SS-16	2/4/1998	2,100	2.4	41	27	130	5.2
SS-17	2/4/1998	2,900	3.8	67	42	230	4.7
SS-19	2/4/1998	15	0.04	0.055	0.1	0.42	0.45
SS-20	2/4/1998	270	<0.12	1.9	2.7	16	<1.2
SS-21	2/4/1998	86	<0.05	0.6	0.75	4.2	<0.5
SS-22	2/4/1998	240	0.25	4.1	3.3	19	<1.2
SS-23	2/4/1998	1	<0.005	0.007	0.007	0.082	0.1

NOTES: TPHg analyzed by EPA Method 8015M ESLs = Environmental Screening Levels
 BTEX and MTBE analysis by EPA Method 8260B 3m bgs = 3 meters (10 feet) below ground surface
 "<" = Less than the specified laboratory detection limit
 "J" = Trace
 * = Total Recoverable Petroleum Hydrocarbons
 - = Not analyzed

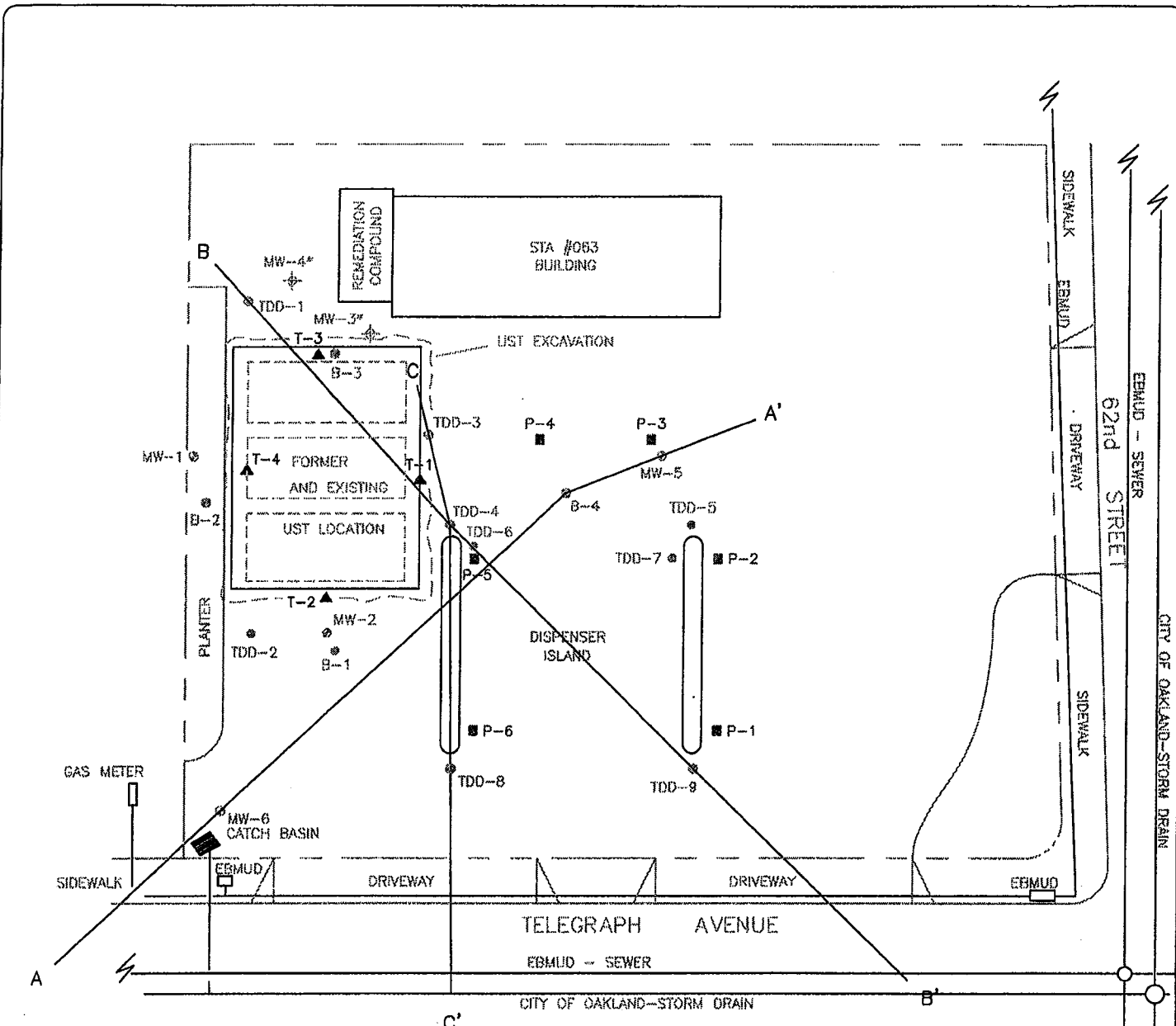
TABLE 1
SOIL ANALYTICAL RESULTS
 THRIFTY OIL CO. STATION #063 - OAKLAND, CALIFORNIA

SAMPLE ID	DATE SAMPLED	ANALYTICAL PARAMETERS													
		EPA Method 8015B				EPA Method 8260B						EPA Method 8015M			
		TPH Gasoline mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes mg/kg	MTBE mg/kg	EDB mg/kg	EDC mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	TBA mg/kg	EtOH mg/kg	MeOH mg/kg
Soil Boring MW-7															
MW-7 @ 5	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 10	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 15	2/22/2007	710	<0.00032	<0.00038	5.9	10.8	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 18	2/22/2007	13	<0.00032	<0.00038	4.7	9.0	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
Soil Boring MW-8															
MW-8 @ 5	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 10	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 15	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 18	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
Environmental Screening Level (ESL)															
Shallow Soils (<3 meters bg)		100	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	-	-	-	0.073	45	-
Deep Soils (>3 meters bgs)		100	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	-	-	-	0.073	45	-

NOTE:

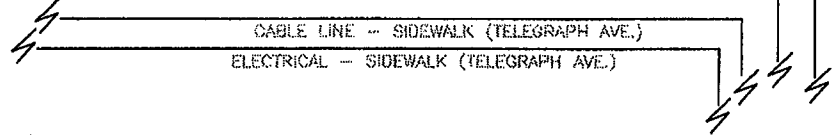
TPH	= total petroleum hydrocarbons	TBA	= Tertiary butyl alcohol	" - "	= Not analyzed / Not available
MTBE	= Methyl-tert-butyl ether	EtOH	= Ethanol	" < "	= Less than detection level indicated
DIPE	= Di-isopropyl ether	MeOH	= Methanol	" J "	= Flag indicating value between MDL & PQL
ETBE	= Ethyl-tert-butyl ether	EDB	= 1,2 - Dichloroethane	mg/kg	= milligrams per kilogram
TAME	= Tert-amyl methyl ether	EDC	= 1,2 - Dichloroethane		

ATTACHMENT D



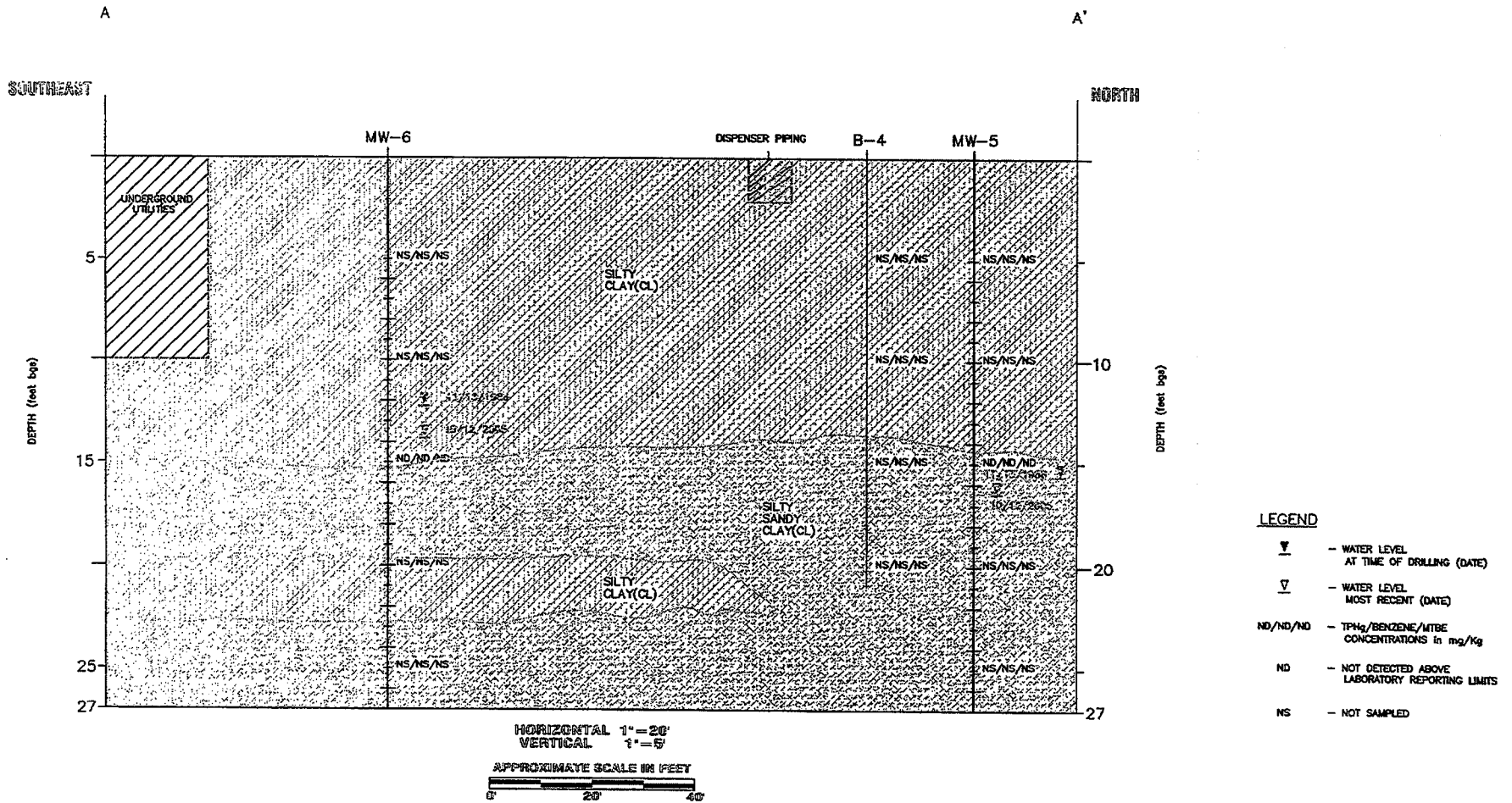
LEGEND

- ⊙ - GROUNDWATER MONITORING WELL
 - ⊕ - GROUNDWATER RECOVERY WELL
 - ⊙ - SOIL BORING
 - ▲ - TANK BOTTOM SAMPLE POINT
 - - PIPING SAMPLE POINT
 - A-A' - GEOLOGIC CROSS-SECTION
 - MW-4*
- MW-4* - TARGETED BY ACTIVE REMEDIATION



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	<p>6105 Telegraph Avenue Oakland, CA</p>			

VIEW SOUTHWEST

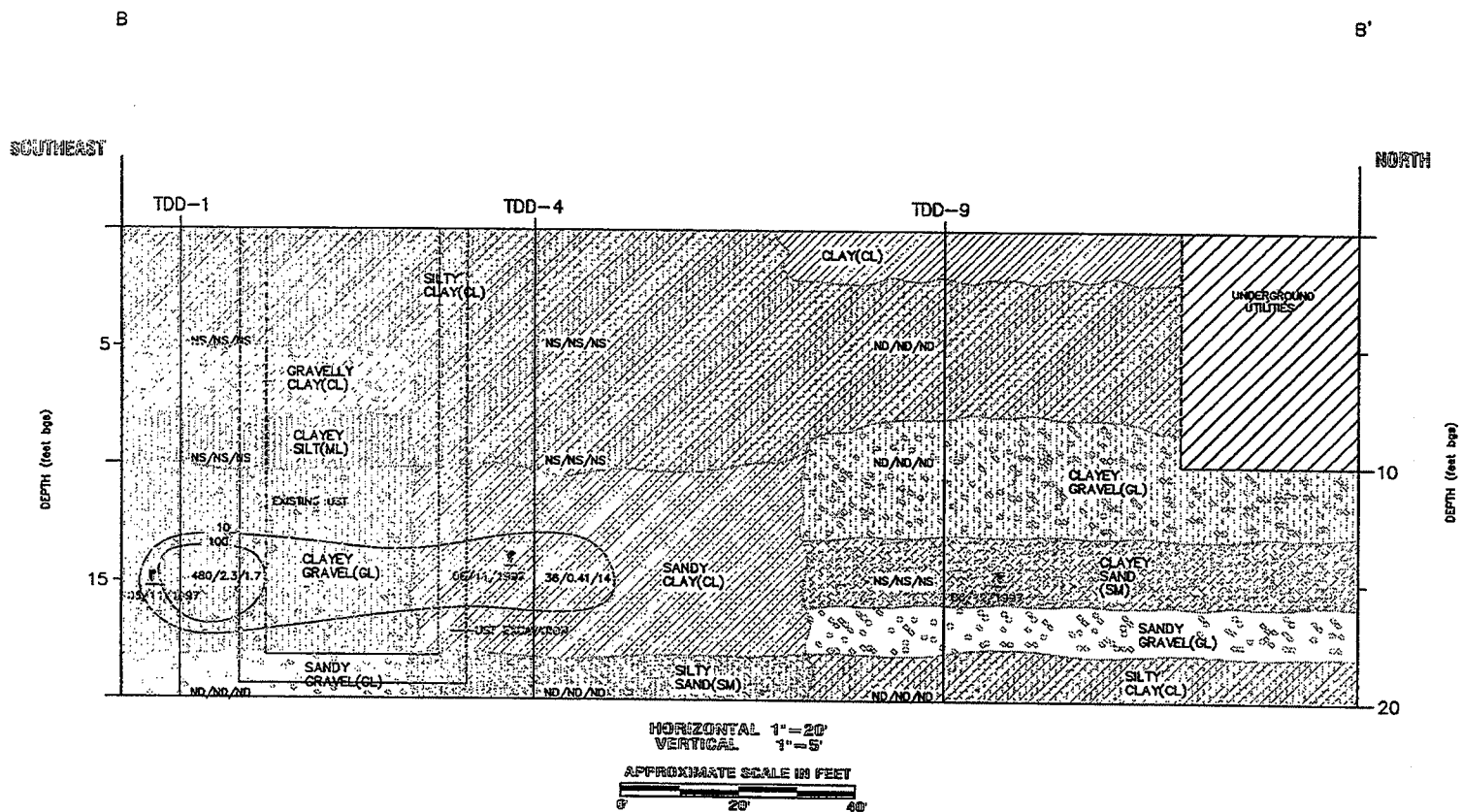


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FIGURE 3A
GEOLOGIC CROSS-SECTION A-A'
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA

VIEW SOUTHWEST



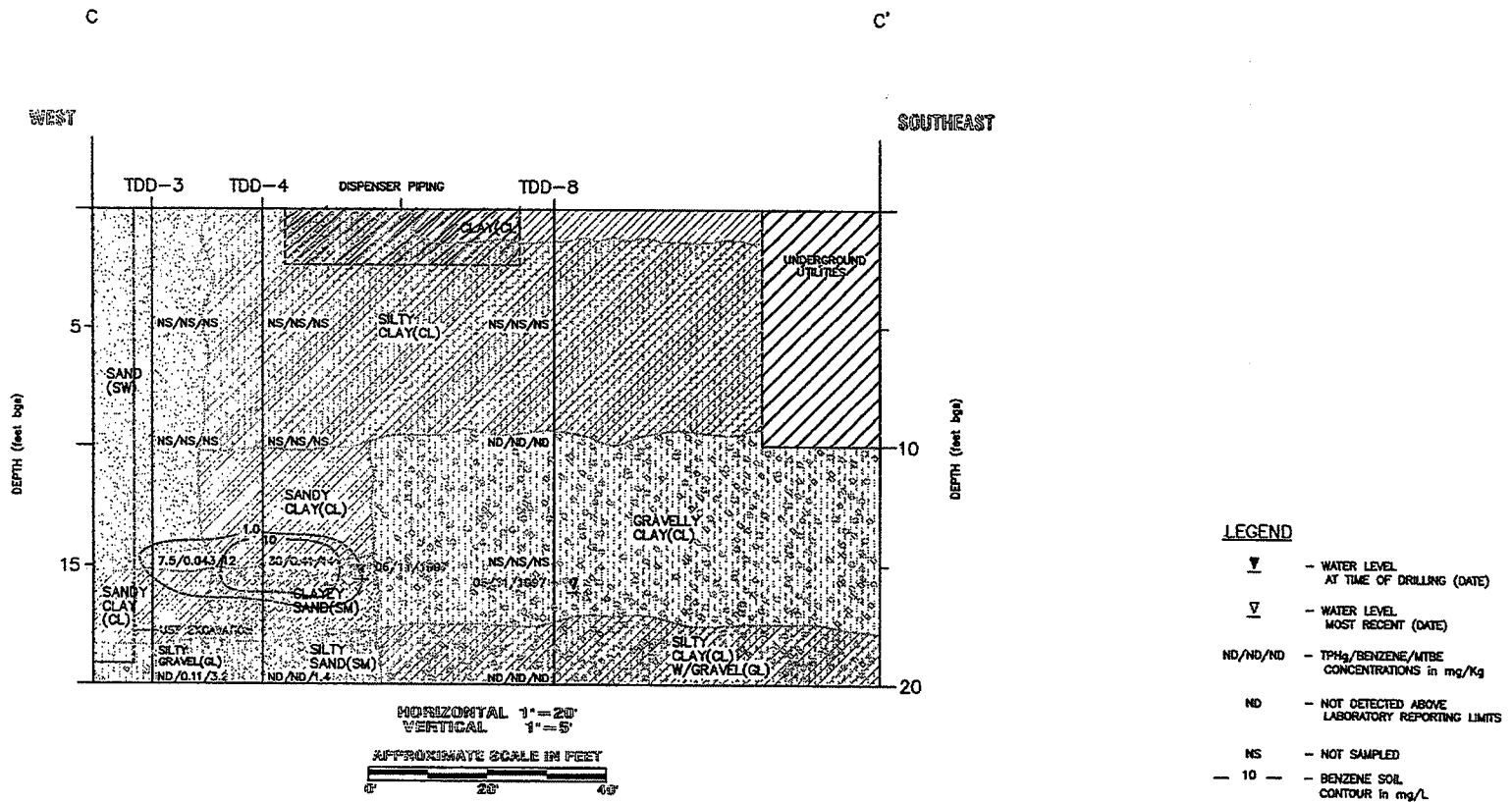
- LEGEND**
- ▼ - WATER LEVEL AT TIME OF DRILLING (DATE)
 - ▽ - WATER LEVEL MOST RECENT (DATE)
 - ND/ND/ND - TPH₃/BENZENE/MTBE CONCENTRATIONS in mg/Kg
 - ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
 - NS - NOT SAMPLED
 - 100 — - TPH₃ SOIL CONTOUR in mg/L

GHC: 1332
DATE: 03/27/00

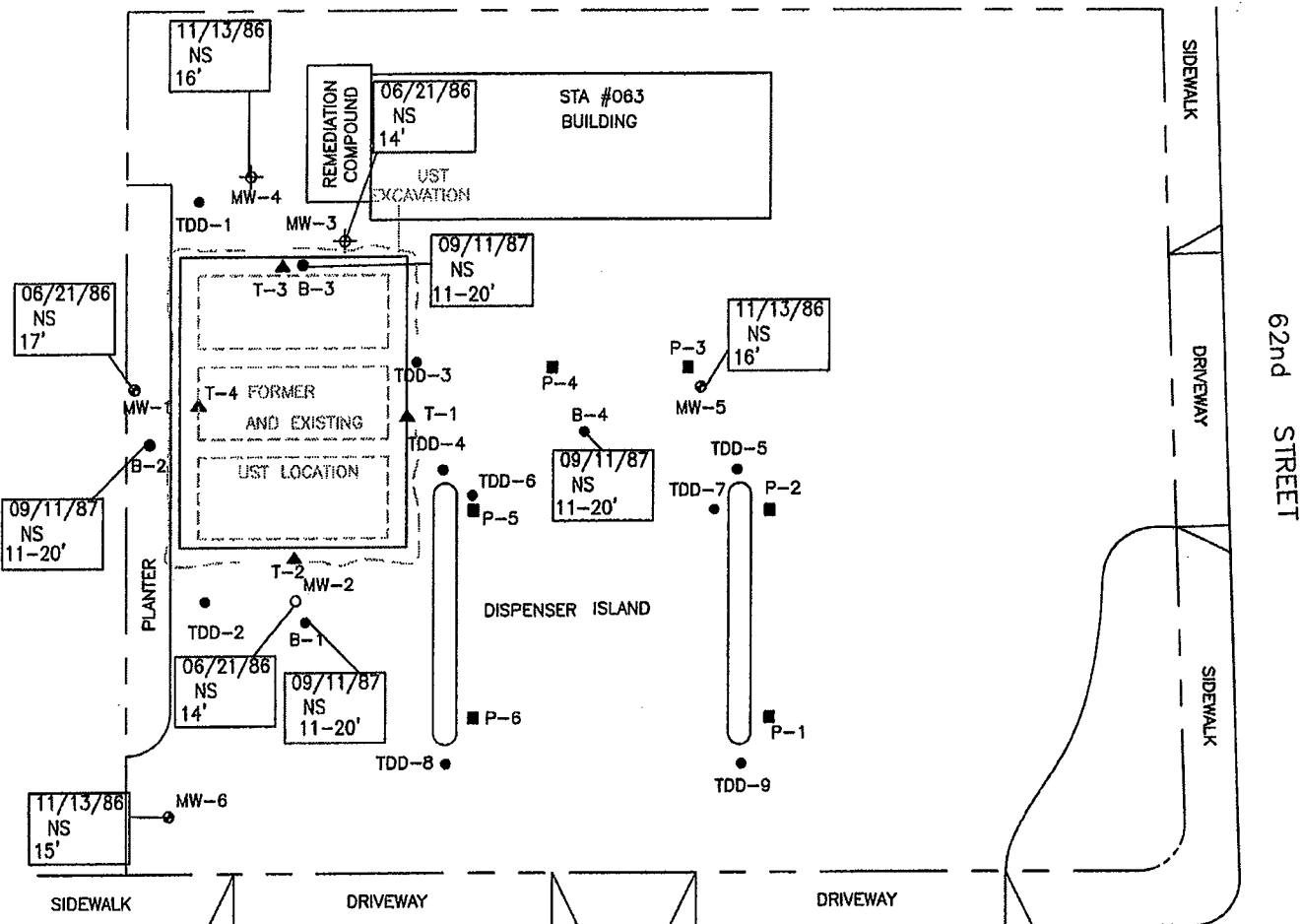
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FIGURE 3B
GEOLOGIC CROSS-SECTION B-B'
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA

VIEW NORTHEAST



GHC: 1332 DATE: 03/27/06		GEOHYDROLOGIC CONSULTANTS, INC. 5912 Bolsa Avenue, Suite 200 Huntington Beach, CA 92649 www.geohydrologic.com	FIGURE 3C GEOLOGIC CROSS-SECTION C-C' THRIFTY SERVICE STATION #033 6125 Telegraph Avenue Oakland, CA

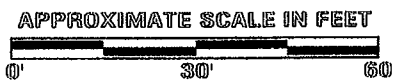


62nd STREET

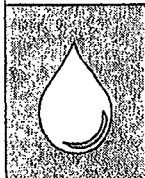
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/21/86 NS 17' - DATE SAMPLED, MAXIMUM MTBE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 10 - MAXIMUM MTBE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

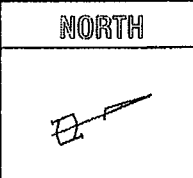
TELEGRAPH AVENUE



Pre-Remediation (11-20 feet below ground surface)

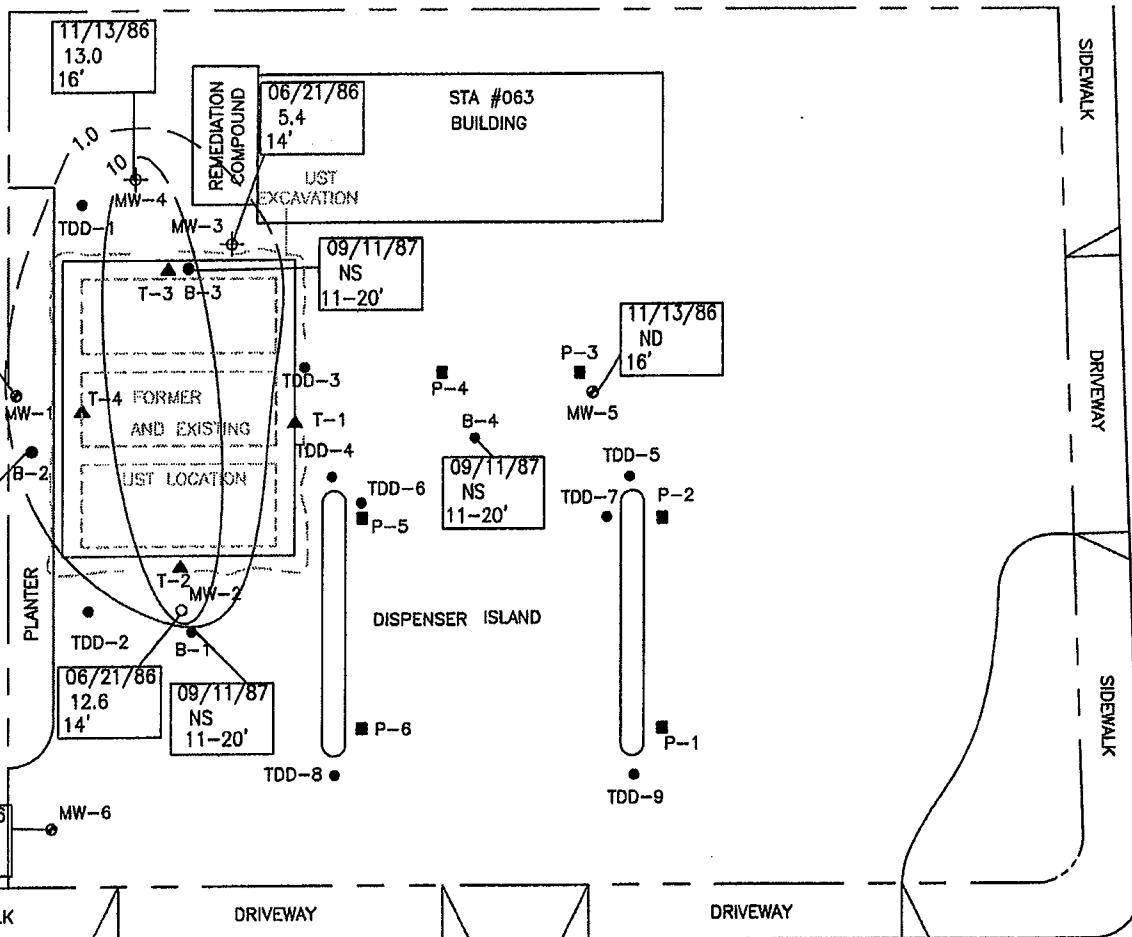


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FIGURE 4F
DISTRIBUTION OF MTBE IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



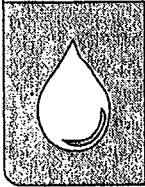
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- | | | |
|----------|-----|-----|
| 06/21/86 | 7.6 | 17' |
|----------|-----|-----|

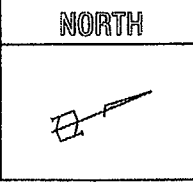
 - DATE SAMPLED, MAXIMUM BENZENE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 10 - MAXIMUM BENZENE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE



Pre-Remediation (11-20 feet below ground surface)

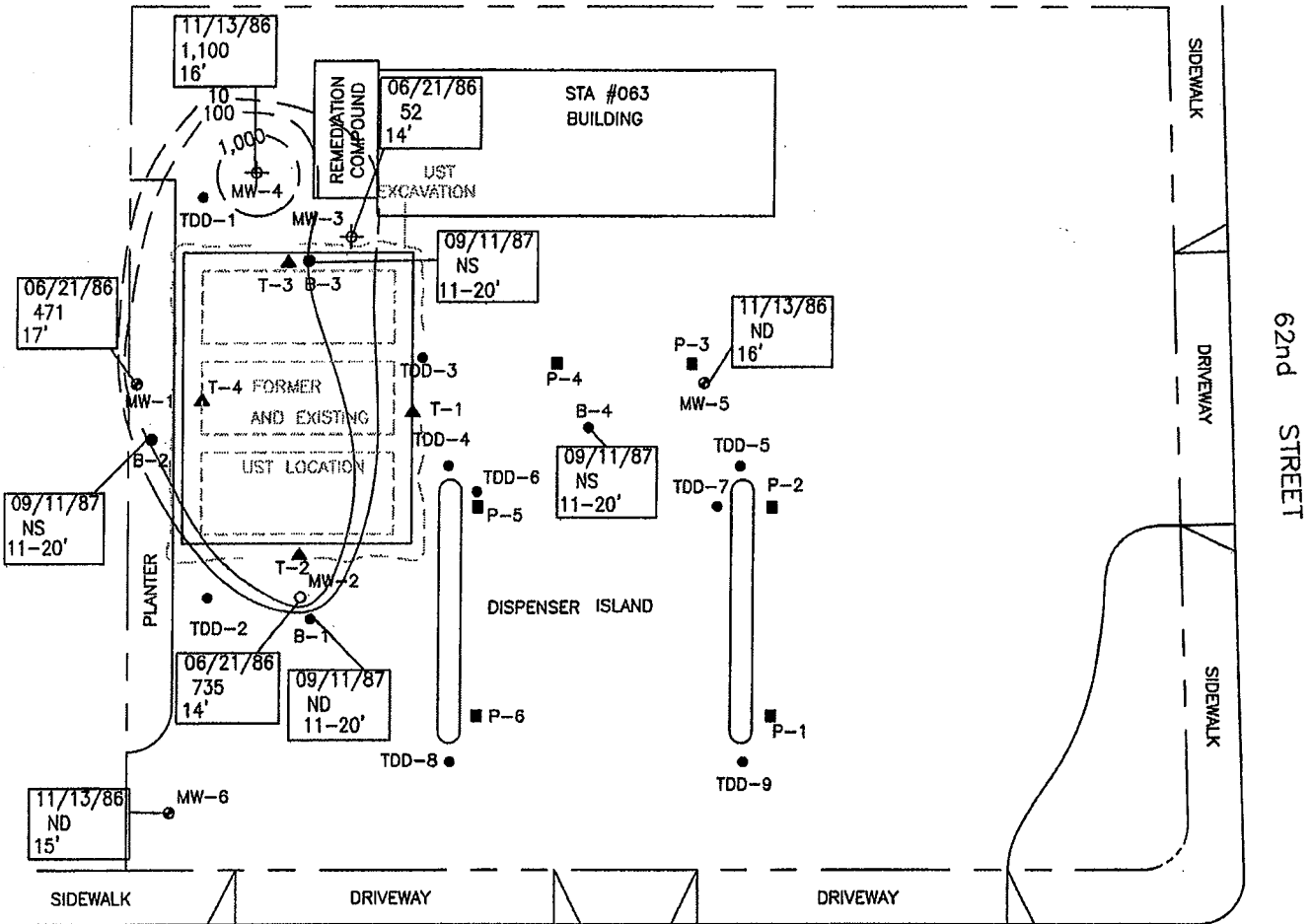


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FIGURE 4E
DISTRIBUTION OF BENZENE IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



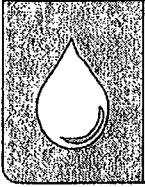
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- | |
|----------|
| 06/21/86 |
| 471 |
| 17' |

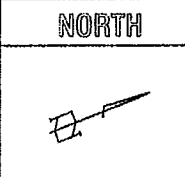
 - DATE SAMPLED, MAXIMUM TPHg SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1,000 - MAXIMUM TPHg SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE



Pre-Remediation (11-20 feet below ground surface)

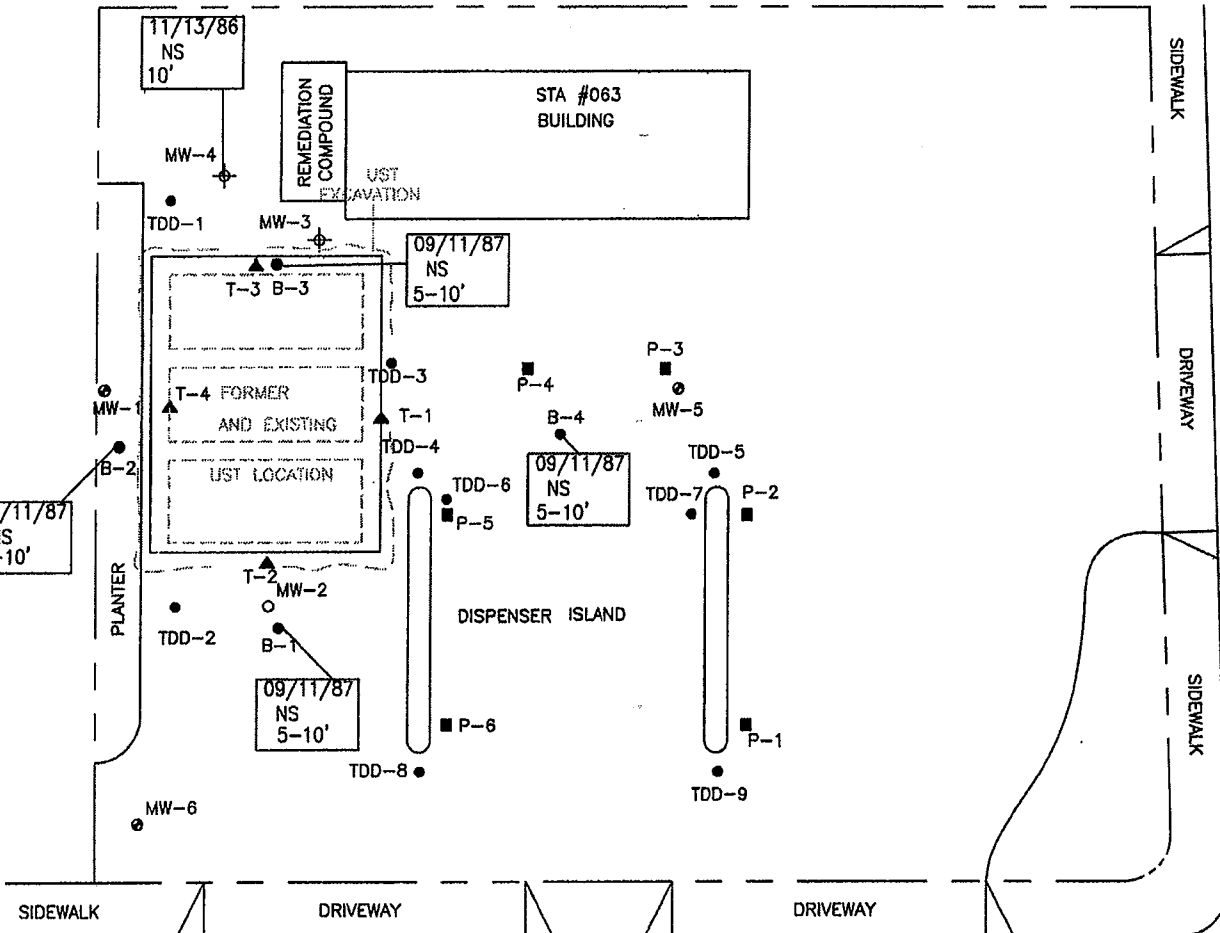


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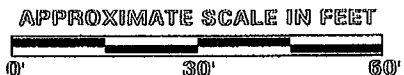
GHC: 1332
 DATE: 02/20/06

FIGURE 4D
DISTRIBUTION OF TPHg IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 09/11/87
NS
5-10' - DATE SAMPLED, MAXIMUM MTBE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1,000 - MAXIMUM MTBE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

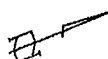


Pre-Remediation (0-10 feet below ground surface)

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NORTH

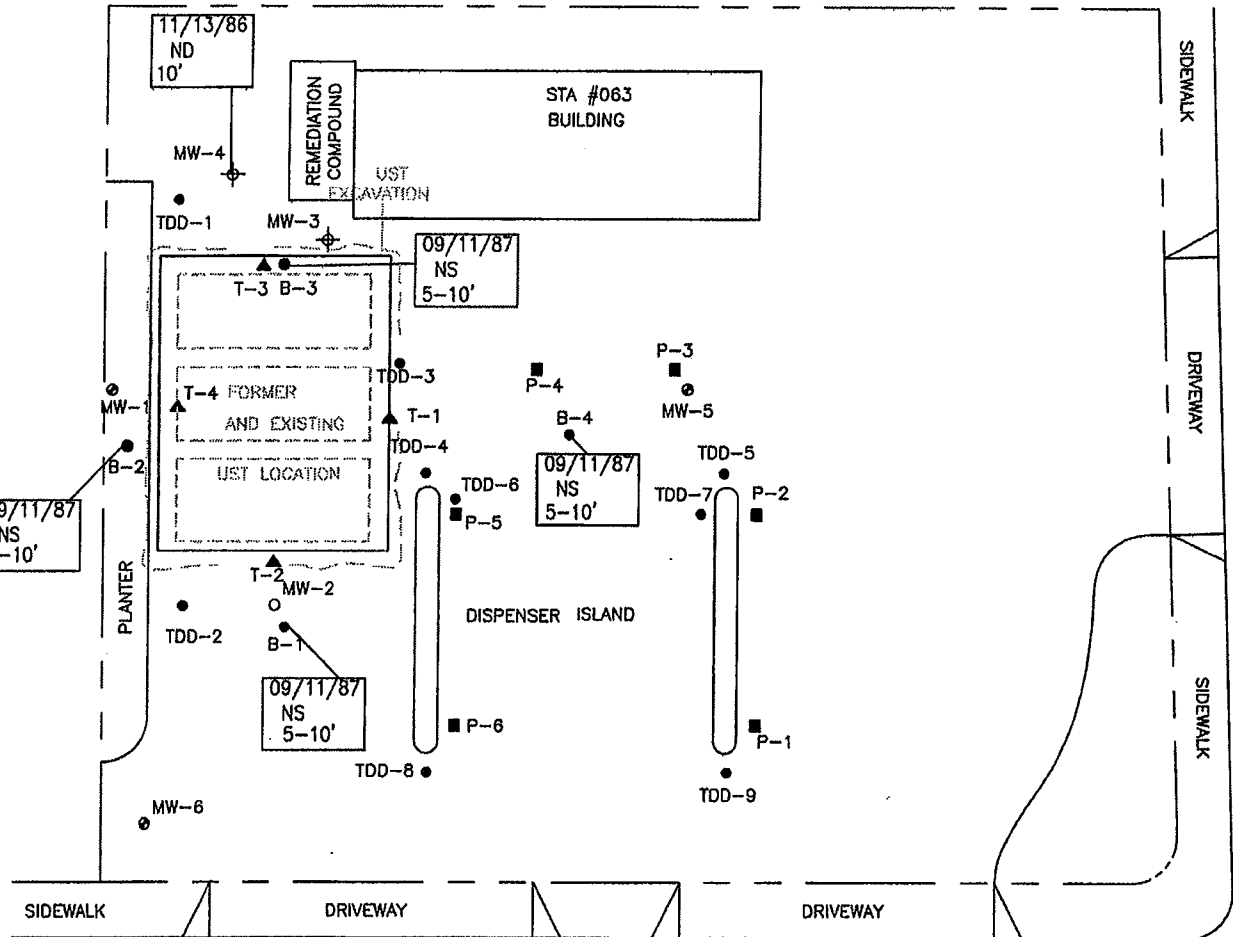


GHC: 1332

DATE: 02/20/06

FIGURE 4C
DISTRIBUTION OF MTBE IN SOIL
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA

62nd STREET



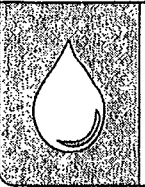
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 09/11/87 NS 5-10' - DATE SAMPLED, MAXIMUM BENZENE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1,000- - MAXIMUM BENZENE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

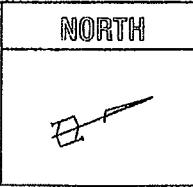
TELEGRAPH AVENUE



Pre-Remediation (0-10 feet below ground surface)

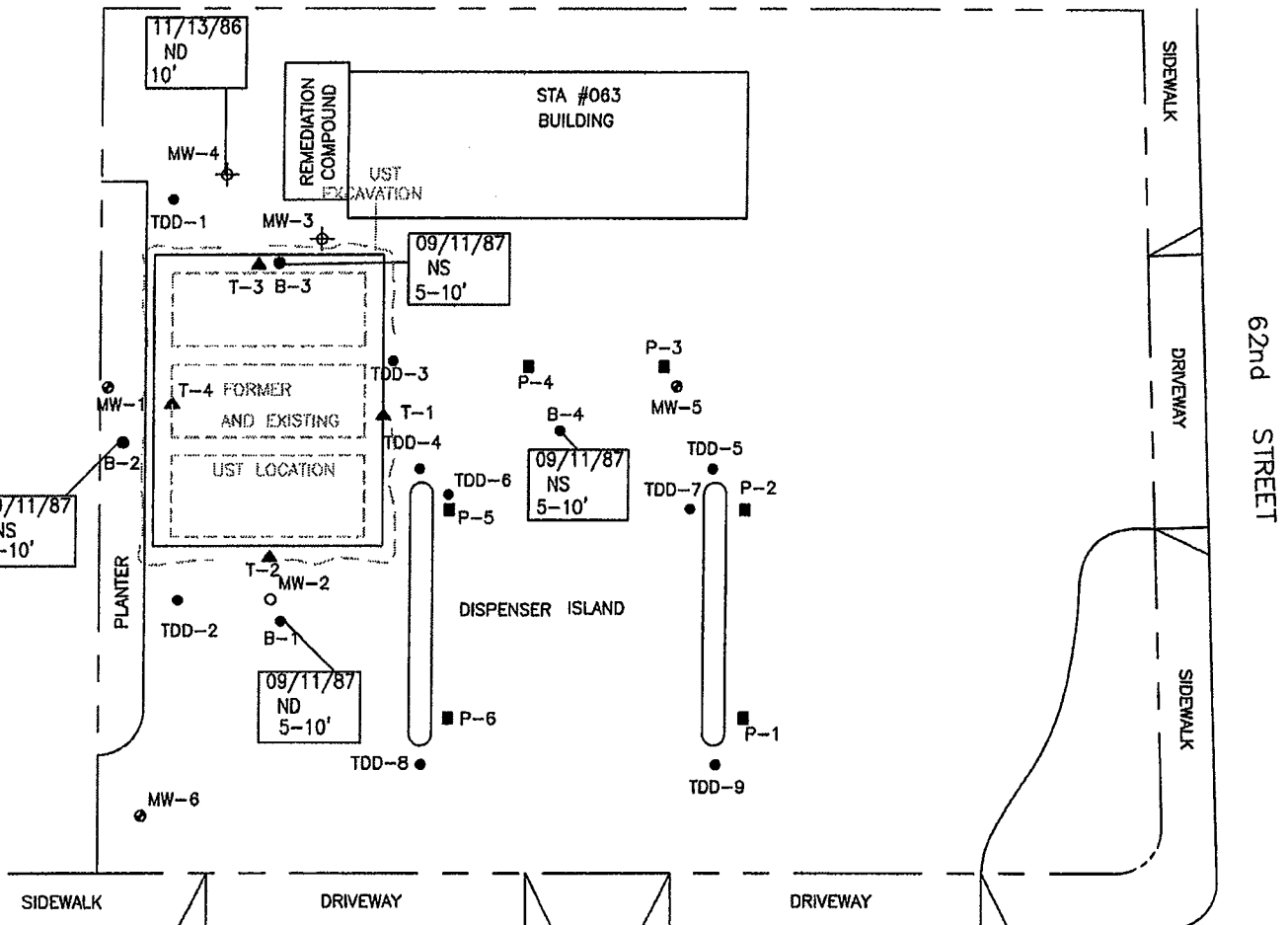


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FIGURE 4B
DISTRIBUTION OF BENZENE IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



LEGEND

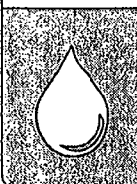
- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 09/11/87 ND 5-10' - DATE SAMPLED, MAXIMUM TPHg SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1,000 - MAXIMUM TPHg SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

TELEGRAPH AVENUE

APPROXIMATE SCALE IN FEET



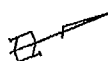
Pre-Remediation (0-10 feet below ground surface)



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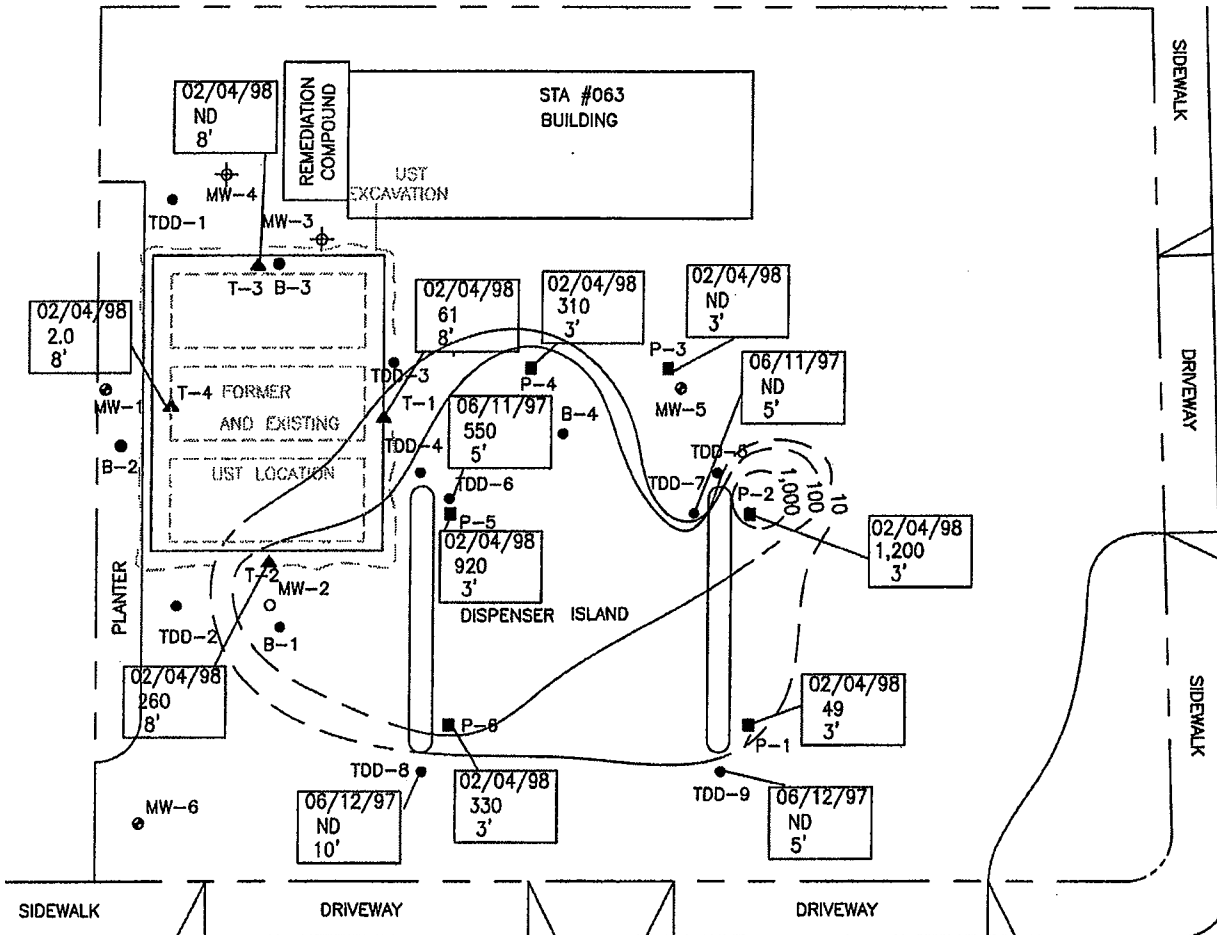
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DATE: 02/20/06

FIGURE 4A
DISTRIBUTION OF TPHg IN SOIL
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA



LEGEND

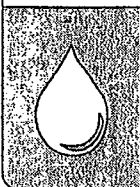
- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/11/97
550
5' - DATE SAMPLED, MAXIMUM TPHg SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 100 - MAXIMUM TPHg SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

TELEGRAPH AVENUE

APPROXIMATE SCALE IN FEET

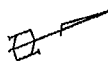


Post-Remediation (0-10 feet below ground surface)



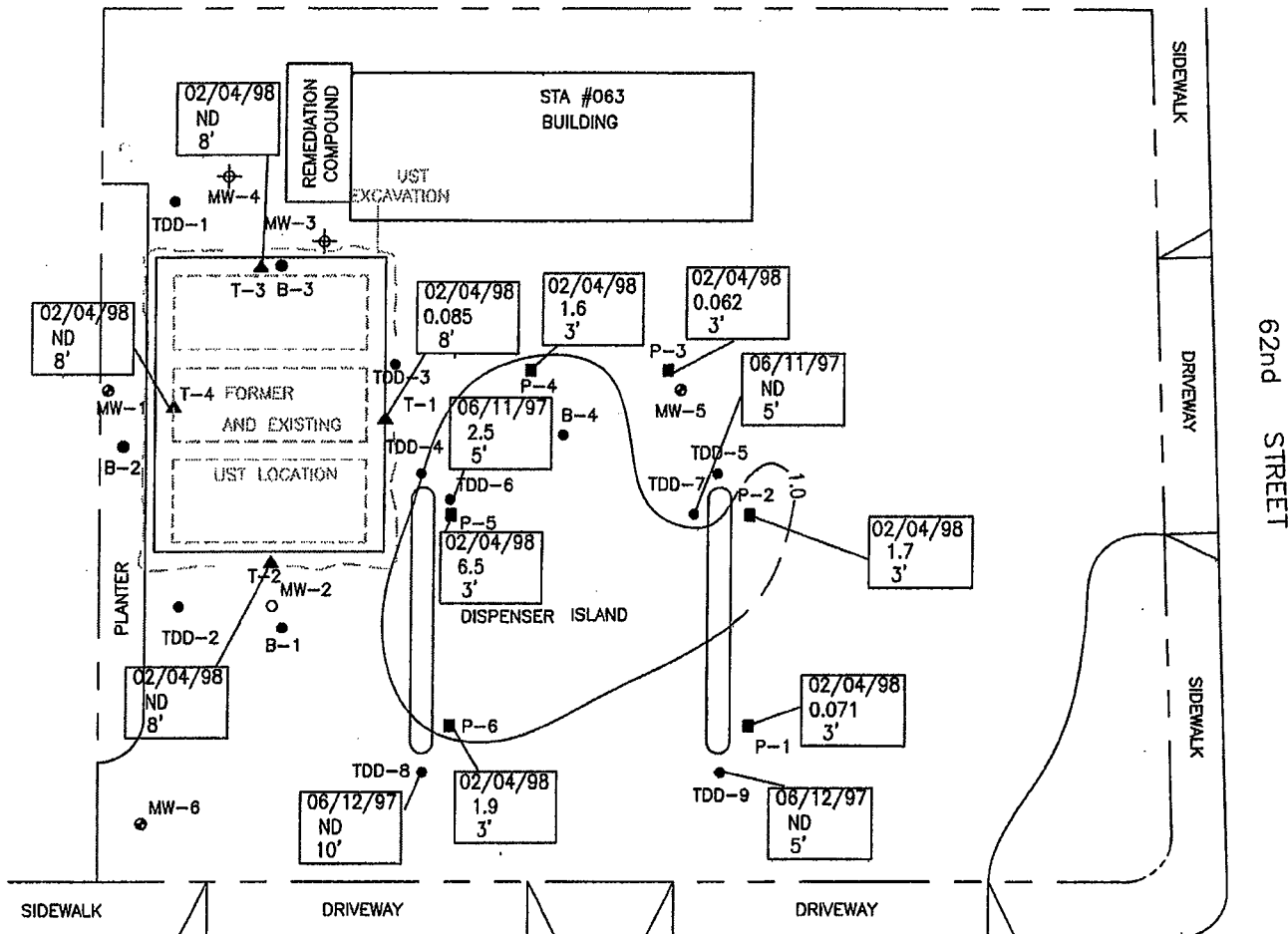
GEOHYDROLOGIC CONSULTANTS, INC.
 5912 Bolsa Avenue, Suite 200
 Huntington Beach, CA 92649
 www.geohydrologic.com

NORTH



GHC: 1332
 DATE: 02/20/06

FIGURE 4G
DISTRIBUTION OF TPHg IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/11/97
2.5
5' - DATE SAMPLED, MAXIMUM BENZENE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1.0 - MAXIMUM BENZENE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

TELEGRAPH AVENUE

APPROXIMATE SCALE IN FEET



Post-Remediation (0-10 feet below ground surface)

GEOHYDROLOGIC CONSULTANTS, INC.

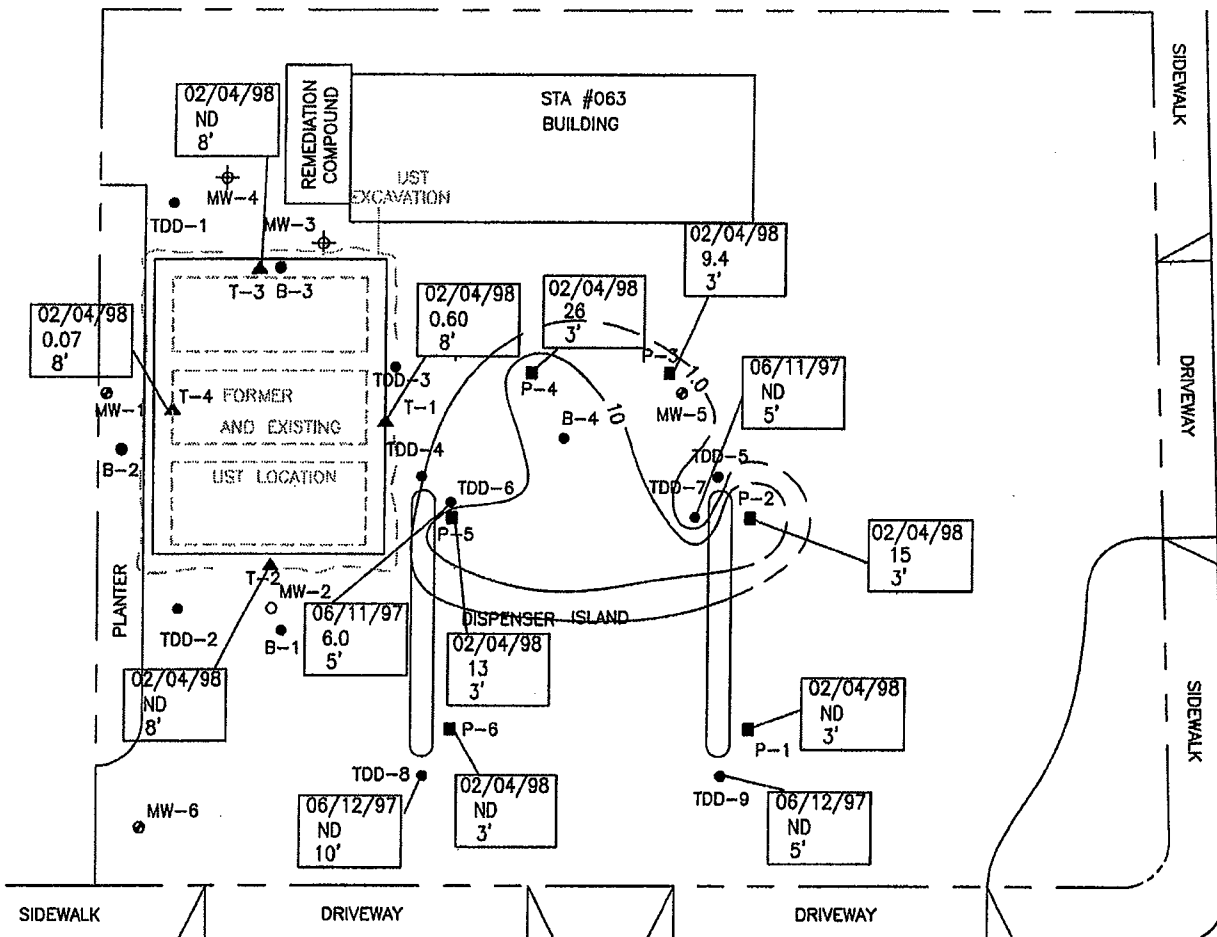
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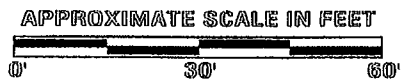
FIGURE 4H
DISTRIBUTION OF BENZENE IN SOIL
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA



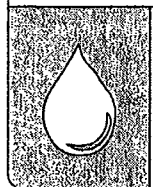
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/11/97
6.0
5' - DATE SAMPLED, MAXIMUM MTBE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 10 - MAXIMUM MTBE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

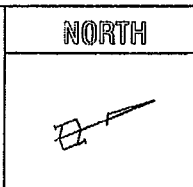
TELEGRAPH AVENUE



Post-Remediation (0-10 feet below ground surface)

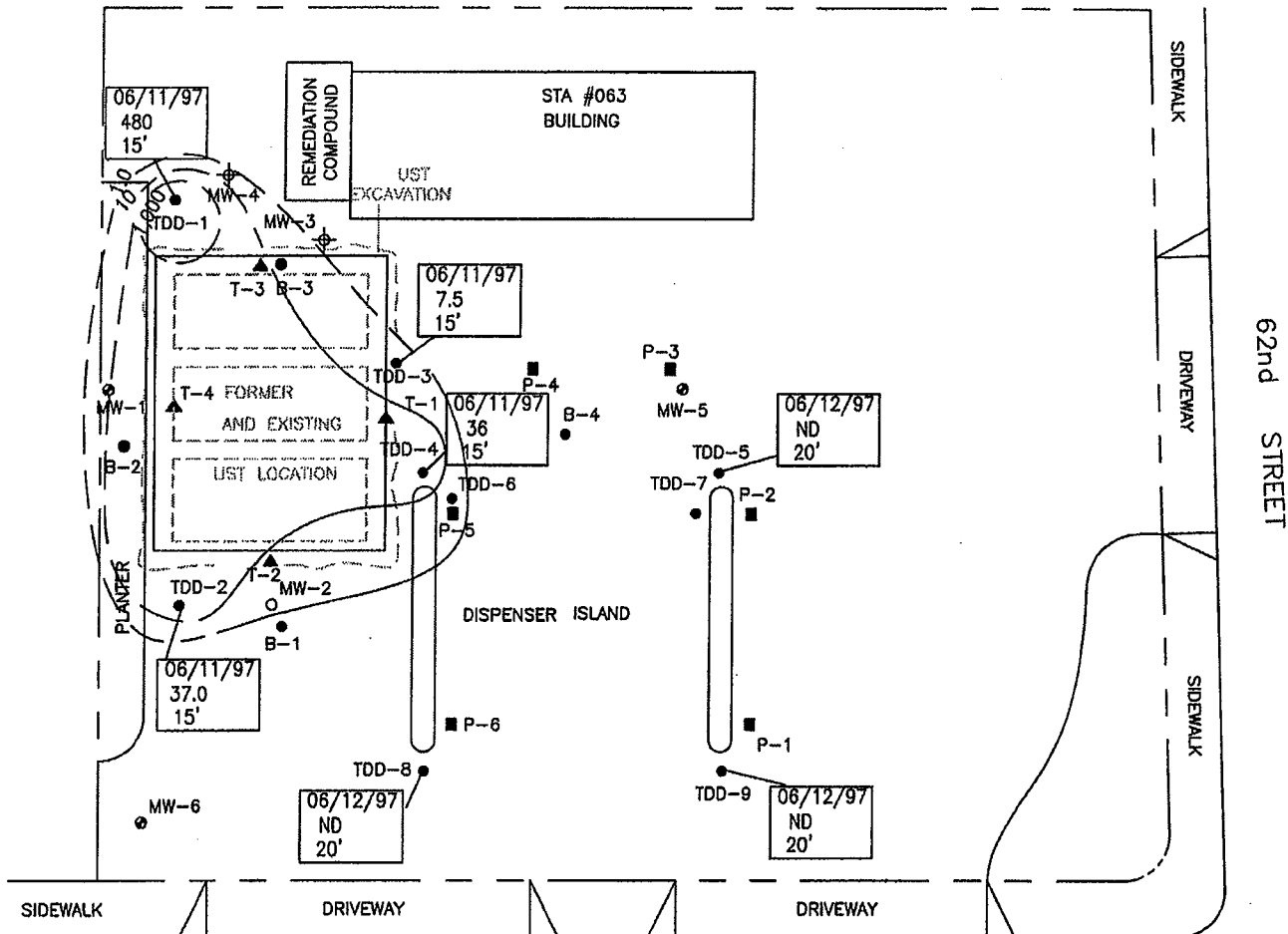


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FIGURE 41
DISTRIBUTION OF MTBE IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA



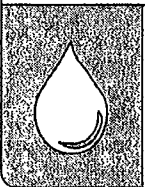
LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/11/97
480
15' - DATE SAMPLED, MAXIMUM TPHg SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 100 - MAXIMUM TPHg SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

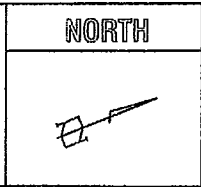
TELEGRAPH AVENUE



Post-Remediation (11-20' feet below ground surface)

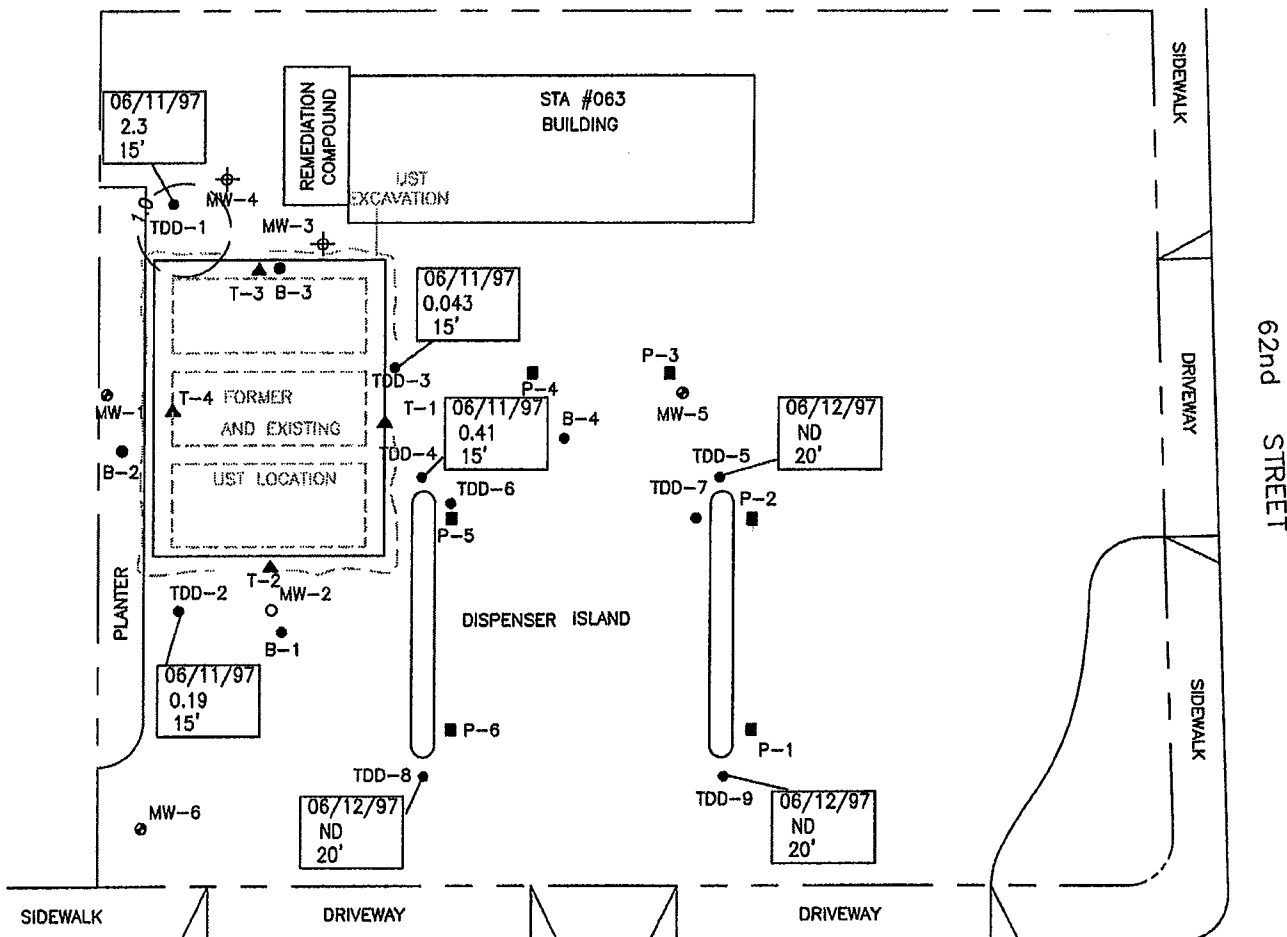


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FIGURE 4J
DISTRIBUTION OF TPHg IN SOIL
THRIFTY SERVICE STATION #063
 6125 Telegraph Avenue
 Oakland, CA

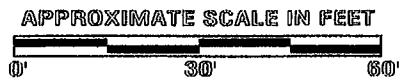


LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- | |
|----------|
| 06/11/97 |
| 2.3 |
| 15' |

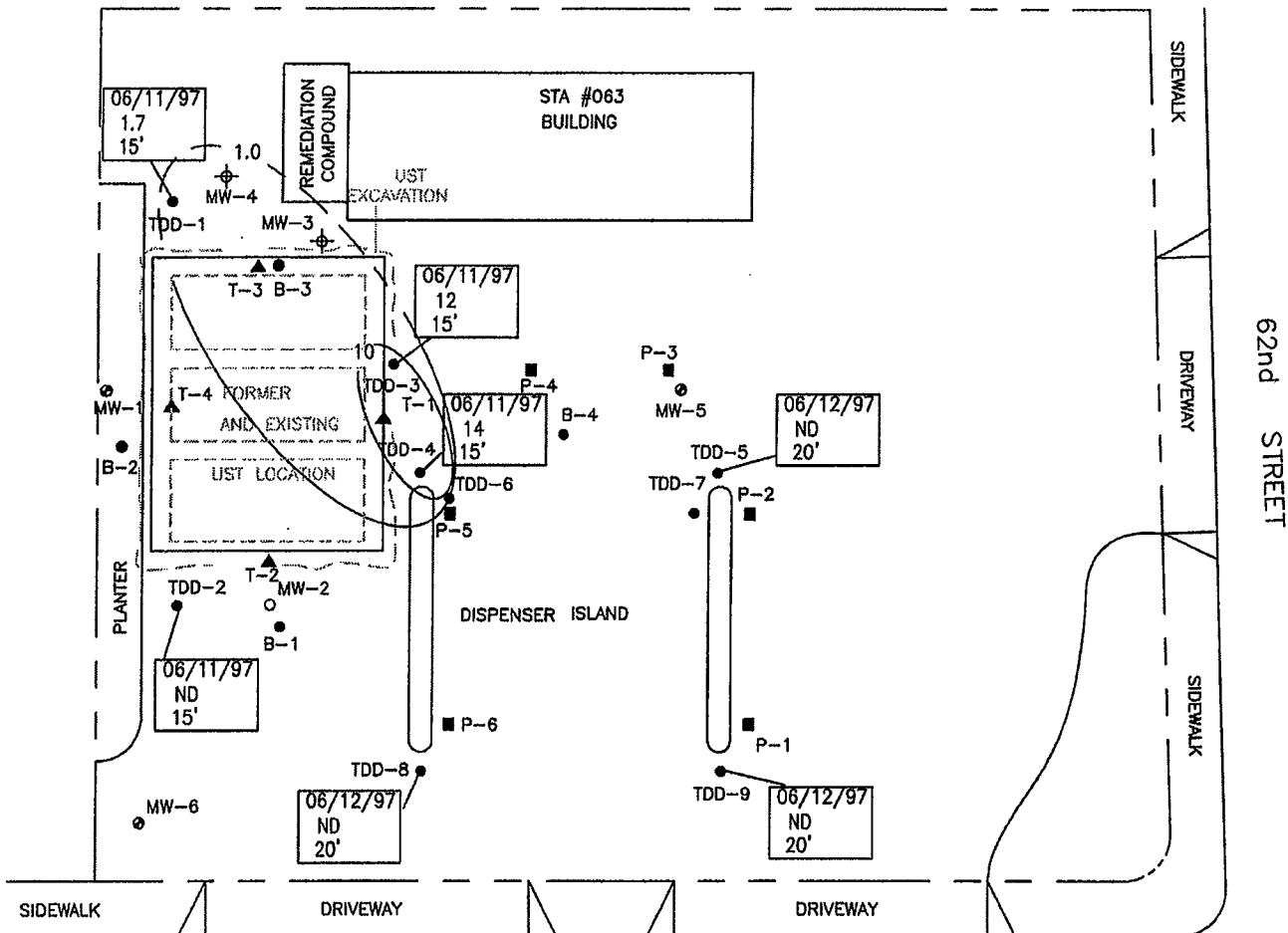
 - DATE SAMPLED, MAXIMUM BENZENE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 1.0 - MAXIMUM BENZENE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

TELEGRAPH AVENUE



Post-Remediation (11-20' feet below ground surface)

	GEOHYDROLOGIC CONSULTANTS, INC. 5912 Bolsa Avenue, Suite 200 Huntington Beach, CA 92649 www.geohydrologic.com	NORTH 	GHC: 1332 DATE: 02/20/06	FIGURE 4K DISTRIBUTION OF BENZENE IN SOIL THRIFTY SERVICE STATION #063 6125 Telegraph Avenue Oakland, CA
	TELEGRAPH AVENUE			



LEGEND

- - GROUNDWATER MONITORING WELL
- ⊕ - GROUNDWATER RECOVERY WELL
- - ABANDONED GROUNDWATER MONITORING WELL
- - SOIL BORING
- ▲ - TANK BOTTOM SAMPLE POINT
- - PIPING SAMPLE POINT
- 06/11/97
12
15' - DATE SAMPLED, MAXIMUM MTBE SOIL CONCENTRATIONS IN mg/Kg, DEPTH OF SAMPLE
- 10 - MAXIMUM MTBE SOIL CONTOUR IN mg/Kg
- ND - NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- NS - NOT SAMPLED
- NA - DEPTH DATA NOT AVAILABLE

TELEGRAPH AVENUE

APPROXIMATE SCALE IN FEET



Post-Remediation (11-20' feet below ground surface)

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DATE: 02/20/06

FIGURE 4L
DISTRIBUTION OF MTBE IN SOIL
THRIFTY SERVICE STATION #063
6125 Telegraph Avenue
Oakland, CA