

THRIFTY OIL CO.

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Alameda County
Environmental Health

January 8, 2009

O.93152

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
EDF # 5815495371

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
Fourth Quarter 2008, Status Report

Dear Mr. Plunkett:


Presented herein is the Fourth Quarter 2008, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the quarterly groundwater-monitoring program and ongoing remediation conducted during the Fourth Quarter 2008. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling, and remediation system operation and maintenance activities at this site.

On September 2, 2008, Thrifty submitted a Remedial Action Plan (RAP) to perform a five consecutive day (24-hours/day) multi-phase extraction (MPE) event to reduce the hydrocarbon concentrations beneath the site. The MPE event will utilize a mobile soil vapor extraction system in combination with the existing groundwater treatment system. In a letter dated December 29, 2008 the Alameda County Health Care Services (ACHCS) indicated that they would not approve the RAP until several outstanding issues have been addressed, including delineating the downgradient extent of the contamination plume and evaluating the associated human health risks. As the ACHCS requested, Thrifty will submit a Workplan to address these items, but respectfully requests the ACHCS provide Thrifty approval to immediately proceed with the remediation activities proposed in the RAP.



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

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Chris Panaitescu', written over a horizontal line.

Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Ms. Janet J. Wager
File

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063

Fourth Quarter 2008

Reporting Period: 09/24/2008 to 12/31/2008

Site Information:

Site address:	TOC SS #063 (ARCO #9542) 6125 Telegraph Avenue Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	5815495371
Lead Agency No.:	Local #RO0000005
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Steven Plunkett / 510 383-1767
Project Manager:	Simon Tregurtha / 562-921-3581 ext. 260

Field Activity:

Groundwater wells onsite:	5
Groundwater wells offsite:	2
Date(s) monitored:	October 29, 2008
Date(s) sampled:	October 29, 2008
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Existing groundwater treatment system
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

Site Hydrogeology:

Depth to groundwater (feet bgs):	12.51 to 16.47
Groundwater elevation (feet above mean sea level):	133.15 to 135.87
Groundwater gradient and flow direction:	West-northwest at approximately 0.03 ft./ft.
Consistent with previous quarter:	Similar to previous quarter

Groundwater Conditions:

TPHg concentration (ug/L):	ND<6.6 to 31,500
Benzene concentration (ug/L):	ND<0.18 to 130
Toluene concentration (ug/L):	ND<0.24 to 1,870
Ethyl benzene concentration (ug/L):	ND<0.21 to 926
Total Xylenes concentration (ug/L):	ND<0.45 to 5,510
MTBE concentration (ug/L):	ND<0.19 to 28
DIPE concentration (ug/L):	ND<0.20 to ND <20
ETBE concentration (ug/L):	ND<0.23 to ND <23
TAME concentration (ug/L):	ND<0.19 to ND <19
TBA concentration (ug/L):	ND<5.2 to 81

Remediation Activity:

System type:	GWPT
System start-up:	4/8/1991
GW discharge this quarter (gal.):	95,550 (09/24/08 to 12/23/08)
Total GW discharge (gal.):	3,218,529 (through December 23, 2008)

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. Groundwater monitoring well locations are presented in **Figure 1**. A groundwater elevation contour map based on the October 29, 2008, groundwater monitoring data is presented in **Figure 2**. The groundwater flow direction is to the west-northwest at an approximate gradient of 0.03 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8 on October 29, 2008. Groundwater samples were collected by Earth Management Company (EMC) and delivered in a chilled state following strict Chain-of-Custody procedure to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical results are provided in **Table 1** and **Table 2**. Copies of the Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, MTBE, and TBA concentration results are presented in **Figures 3, 4, 5, and 6**, respectively. Laboratory results indicate that the highest concentrations of TPHg and benzene were detected in well MW-4 at 31,500 micrograms per liter ($\mu\text{g/L}$) and 130 $\mu\text{g/L}$, respectively. MTBE and TBA were only detected in one well (MW-3) at 28 $\mu\text{g/L}$ and 81 $\mu\text{g/L}$, respectively. All other oxygenated compounds were not detected at or above laboratory detection limits in any of the wells.

Significant increases in the concentrations of petroleum hydrocarbons in wells MW-3, MW-4 and MW-7 were noted this quarter when compared to the third quarter 2008. The increased concentrations could be

due laboratory or technician error or the result of the rising groundwater table (in wells MW-3, MW-4 and MW-7) which may have caused groundwater to come into contact with adsorbed-phase petroleum hydrocarbons remaining in the subsurface soils in the source area. The increased concentrations in wells MW-3 and MW-4 could also be due to dissolved hydrocarbons being drawn toward these wells during operation of the groundwater treatment system (wells MW-3 and MW-4 are the system extraction wells).

Remediation Status

Site remedial activities were initiated in April 1991. Currently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. System operational data is included in **Table 3** and **Appendix C**. System inlet and outlet laboratory analytical data is presented in **Appendix D**. During the current reporting period (from September 24 through December 23, 2008), the groundwater treatment system processed approximately 95,550 gallons of groundwater and has treated approximately 3,218,529 gallons of groundwater since start-up (April 1991). The system was upgraded in the 2nd Quarter 2005, when a pump was replaced in well MW-3 and MW-4 was added to the extraction well array.

Other Activities

In a letter received by Thrifty dated December 7, 2005, the Alameda County Health Care Services (ACHCS) requested site information including depth to water, groundwater flow direction, dissolved constituents concentrations, well screen levels, plume stability, and if active remediation was occurring onsite. Thrifty provided the requested information on January 10, 2006. The ACHCS also requested that a site conceptual model (SCM) be prepared for the site; Thrifty uploaded the SCM to the ACHCS FTP website and to Geotracker on April 26, 2006.

In a letter received by Thrifty dated October 24, 2006, the ACHCS requested a Revised SCM (RSCM) and an offsite investigation workplan (Workplan). On behalf of Thrifty, Equipoise Corporation uploaded the RSCM and Workplan to the California Geotracker website and the ACHCS FTP website on November 29, 2006. Subsequently, the ACHCS sent a letter to Thrifty dated December 21, 2006 approving the Workplan for down-gradient off-site assessment.

On February 22, 2007, two downgradient groundwater monitoring wells (MW-7 and MW-8) were installed on the adjacent property located to the south of the Site by Test America of Rancho Cordova, California under the supervision of Equipoise Corporation. Results of the additional site assessment were presented in a *Site Assessment/Well Installation Report*, submitted to ACHCS on April 5, 2007.

Proposed Interim Remedial Action

Historical groundwater analytical data indicates an overall general decrease in dissolved-phase petroleum hydrocarbons at the site which Thrifty believes are a result of the operation of the groundwater remediation system and natural attenuation. In order to reduce the remaining residual dissolved-phase petroleum hydrocarbon contamination in the soil and groundwater beneath the site and to move the site towards closure, Thrifty proposed the implementation of a continuous 5-day high vacuum dual-phase extraction (HVDPE) event (with possible additional events to be performed based upon results). The HVDPE was proposed in the Second Quarter 2008 Status Report dated July 2, 2008 and at that time Thrifty indicated that it would submit a workplan detailing the proposed Interim Remedial Action upon your approval. The

ACEHS did not respond to Thrifty's proposal and on September 2, 2008 (after waiting 60-days and under the 60-day rule) Thrifty submitted a Remedial Action Plan (RAP).

As an alternative to the HVDPE event proposed in the Second Quarter 2008 Status Report, the RAP proposes to utilize the existing groundwater treatment system in combination with a mobile soil vapor extraction (SVE) unit to perform a 5 consecutive day (24 hour/day) multi-phase extraction (MPE) event. The MPE event will be as technically effective as the HVDPE and much more cost-effective by utilizing the existing system for treatment and discharge of groundwater to the sewer (rather than incurring Baker Tank and offsite disposal costs).

In a letter dated December 29, 2008 the Alameda County Health Care Services (ACHCS) indicated that they would not approve the RAP until several outstanding issues have been addressed, including delineating the downgradient extent of the contamination plume and evaluating the associated human health risks. As the ACHCS requested, Thrifty will submit a Workplan to address these items, but respectfully requests the ACHCS provide Thrifty approval to immediately proceed with the remediation activities proposed in the RAP.

Activities Planned for First Quarter 2009

The following activities are planned for next reporting period (First Quarter 2009):

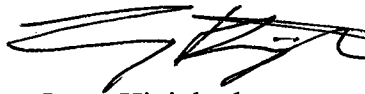
- Submit the Workplan as requested by the ACHCS;
- Continue groundwater monitoring and sampling;
- Continue operations of the groundwater remediation system; and
- Upon your approval, Thrifty will implement the September 2, 2008 RAP.

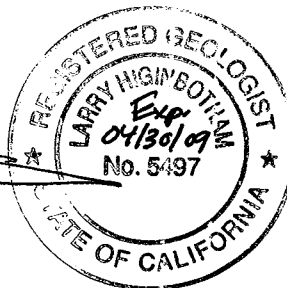
Closing Comments

Interpretations expressed herein are based solely upon data collected and provided by EMC and Associated Laboratories. Should you have any questions regarding this report or require any additional information, please contact Simon Tregurtha at 562-921-3581, Ext. 260.

Sincerely:


Simon Tregurtha
Project Manager


Larry Higinbotham
Registered Geologist



TABLES

**SUMMARY TABLE
CURRENT PERIOD GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA, 94609
T0600101366**

WELL	STATUS	Monit./ Sampl. Date	ANALYTICAL PARAMETERS										MONITORING PARAMETERS				ELEVATION		WELL SCREEN (feet)
			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)	
MW-1	ACT	10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.23	28.94	0.00	148.43	134.20	15 - 30
MW-3	ACT	10/29/08	13,500	84	1,190	615	4,080	28	<0.20	<0.23	<0.19	81	NP	15.42	28.20	0.00	148.94	133.52	15 - 30
MW-4	ACT	10/29/08	31,500	130	1,870	926	5,510	<19	<20	<23	<19	<520	NP	15.14	29.07	0.00	148.88	133.74	9 - 29
MW-5	ACT	10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	16.47	26.23	0.00	149.62	133.15	7 - 27
MW-6	ACT	10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.51	26.80	0.00	148.38	135.87	7 - 27
MW-7	ACT	10/29/08	13,200	108	987	400	2,550	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.52	17.45	0.00	148.20	133.68	8 - 18
MW-8	ACT	10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.92	18.29	0.00	147.31	134.39	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
NOACC	Presently no access to groundwater well	T	= Toluene	TAME	= Tert-amyl methyl ether	PT	= Product Thickness		between MDL & PQL
DEST	Well has been properly destroyed, no longer a conduit to subsurf	E	= Ethylbenzene	TBA	= Tertiary butyl alcohol	GW	= Groundwater	NP	= No free product
AB	Groundwater well is abandoned, but not yet destroyed	X	= Total Xylenes						

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-1											
<i>Screen Interval = 15 to 30 feet</i>											
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 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/27/05	<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

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)

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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/11/94	-	-	-	-	-	-	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
04/29/08	1,770	34	273	60	361	11	NP	16.30	0.00	148.94	132.64

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/30/08	<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
MONITORING WELL #MW-4											
<i>Screen Interval = 9 to 29 feet</i>											
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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
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
MONITORING WELL #MW-5											
<i>Screen Interval = 7 to 27 feet</i>											
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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/26/00	<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
MONITORING WELL #MW-6											
Screen Interval = 7 to 27 feet											
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-	-	#/NA	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-	-	#/NA	-	-	-
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/15/95	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
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-7 Screen Interval = 8 to 18 feet											
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
MONITORING WELL #MW-8 Screen Interval = 8 to 18 feet											
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

NOTE: Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007
 ^ Top of casing elevation estimated to be 6 inches below well rim
 NP = No free hydrocarbon product
 " - " = Not analyzed / Not available
 * MTBE 8020 / 8260

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020/8021B.
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020/8021B
 On 10/8/03 & 7/14/2003, BTEX and MTBE analyzed by 8260B
 Beginning 4/14/2004, BTEX and MTBE analyzed by 8260B

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

DATE SAMPLED	OXYGENATES					
	Di-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (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	-	-
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	-	-
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	-	-	-	-		

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

DATE SAMPLED	OXYGENATES					
	Di-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
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	-	-
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	-	-
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500	-	-
01/07/98	<20	<20	40	<500	-	-
04/03/98	-	-	-	-	-	-
07/14/03	<0.29	<0.17	<0.28	<10	-	-
10/08/03	<0.29	<0.17	<0.28	<10	-	-
01/15/04	-	-	-	-	-	-
04/14/04	-	-	-	-	-	-
07/29/04	-	-	-	-	-	-
10/14/04	-	-	-	-	-	-
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	2.4	<1.8	-	-

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

DATE SAMPLED	OXYGENATES					
	DI-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
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	-	-
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	-	-
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	-	-

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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	-	

**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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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 fo repair													
07/15/93	272,577	270,908	16	Restart the system													
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	-	1.3	<0.5	<0.5	1.6	-		
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-		
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-	-	-		
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-		
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-	-	-		
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	<0.5	-		
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	-	430	41	36	480	-		
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.													
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	7.7	-		
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	-	170	1.5	<0.3	0.38	0.73	-		
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	46	4.1	0.5	84	-		
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	-	12,000	860	37	<13	1,600	-		
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-		
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-	-	-	-	-	-		
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 ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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	660,393	300	<50	<0.3	<0.3	<0.3	<0.5	-	600	<0.3	<0.3	<0.3	<0.5	-
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5	-	4,400	<0.3	<0.3	<0.3	<0.5	-
05/12/97	941,028	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	-	5,600	7.3	0.32	<0.3	17	-
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	3.4	<0.3	<0.3	26	-
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor											
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	<0.5	-	550	<0.3	<0.3	<0.3	<0.5	-
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	-	65,000	690	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-	-	-
02/09/98		736,247	-	System shut down due to the UST replacement and station remodeling											
02/17/98		736,247	-	<50	<0.3	<0.3	<0.3	<0.5	-	35,000	150	<15	<15	8,900	-
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)											
4/13 - 6/1/98	-	736,247	-	System was undergoing several maintenance / piping / hose replacement											
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	-	3,500	14	0.56	<0.3	26	-
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0.5	-	2,200	21	4	<0.3	100	-
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-	-	-
11/20/98	-	746,199	-	System shut down for flowmeter replacement											
12/01/98	0.0	746,199	-	Restart the system with flowmeter at 000											
12/31/98	5,340.0	751,539	178	-	-	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down											
1/11 - 2/1/99	-	761,219	-	System was undergoing maintenance for the compressor											
01/20/99	-	761,219	-	<50	<0.3	<0.3	<0.3	<0.5	-	110	0.43	0.42	<0.3	<0.5	260
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	<5	<50	<0.3	<0.3	<0.3	<0.5	<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	11	65	<0.3	<0.3	<0.3	<0.5	120
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	<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	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	<5	3,820	<0.3	<0.3	<0.3	<0.6	3,740
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<5	<50	<0.3	<0.3	<0.3	<0.6	<5
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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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). System restarted on 10/25/00 after QWS											
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	17,100	111	121	141	972	998
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	<0.24	10,000	384	223	<0.18	1,330	11,600
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	475	4,040	191	4	42	38	4,990
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	132	1,400	<0.18	<0.14	<0.18	<0.26	3,240
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	<0.24	3,100	15	<0.14	1	2	*8,510 / 5,780
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	<0.24	748	15	<0.14	2	2.7	1,440
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	<0.24	956	1.2	<0.14	<0.18	<0.26	878
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	<0.24	232	1	1	<0.18	<0.26	363
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	<0.24	105	<0.18	<0.14	<0.18	<0.26	157
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	<0.24	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	<0.24	4,710	1	1.2	<0.18	2	6,980
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	<0.24	128	<0.18	<0.14	<0.18	<0.26	95
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	<2.0	9,860	<1.4	29	14	2,420	205
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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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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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	<0.03	14,000	20	20	2.2	14	9,090
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	<0.03	7,710	<0.04	<0.02	<0.02	<0.06	3,550
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	<0.03	16,200	<0.04	4.4	4.8	46	8,700
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	<0.03	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	<0.03	7,900	658	1,560	62	1,090	2,170
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	<0.03	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 / INFUENT						
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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	<0.18	1,380	113	93	16	76	191	
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	<0.18	652	31	<0.32	<0.31	2.1J	383	
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	<0.18	<15	<0.22	<0.32	<0.31	<0.4	20	
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	<0.18	291	9.1	<0.32	1.2 J	<0.4	72	
01/13/05	1,803,290	2,649,189	19	System turned off for QWS on 1/5/05; Restarted on 1/13/05						-	-	-	-	-	-	-
01/20/05	1,804,020	2,649,919	104	Shut down system for repair and upgrade						-	-	-	-	-	-	-
04/30/05	1,804,020	2,649,919	-	System still off pending repairs and upgrade						-	-	-	-	-	-	-
05/10/05	1,804,020	2,649,919	-	Restarted system with MW-3 only						-	-	-	-	-	-	-
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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE 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	2,790	
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	1,990	
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	649	
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	129	
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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 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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
06/02/06	1,911,010	2,756,909	176	-	-	-	-	-	-	-	-	-	-	-	-	
06/09/06	1,912,670	2,758,569	237	-	-	-	-	-	-	77,300	668	19,300	1,660	8,800	-	
06/16/06	1,914,330	2,760,229	237	-	-	-	-	-	-	-	-	-	-	-	-	
06/23/06	1,917,210	2,763,109	411	-	-	-	-	-	-	-	-	-	-	-	-	
06/27/06	1,919,740	2,765,639	633	-	-	-	-	-	-	-	-	-	-	-	-	
07/06/06	1,921,470	2,767,369	192	3,730	44	874	26	503	16	4,450	8.6 J	99	34 J	149	2,780	
07/14/06	1,921,980	2,767,879	64	-	-	-	-	-	-	-	-	-	-	-	-	
07/18/06	1,922,070	2,767,969	23	Shut down system for carbon change				-	-	-	-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	System restarted after carbon change				-	-	-	-	-	-	-	-	-
08/04/06	1,922,090	2,767,989	1	<5.6	<0.32	<0.10	<0.24	<0.30	-	763	<0.32	<0.10	<0.24	<0.30	1040	
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	1,420	
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	68	
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	199	
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	-	-	-	-	-	-	-	-	-	-	-	-	
06/21/07	2,008,740	2,854,639	210	-	-	-	-	-	-	15,800	186	1,890	410	2,060	97	

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	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	
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	194	
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	100	
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	128	
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	<1.9	
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	27	
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	<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	<0.19	
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	<1.9	
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	-	-	-	-	-	-	-	-	-	-	-	-	
08/08/08	2,240,350	3,092,369	808	-	-	-	-	-	-	9,480	65	1,080	375	2,120	<0.19	

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

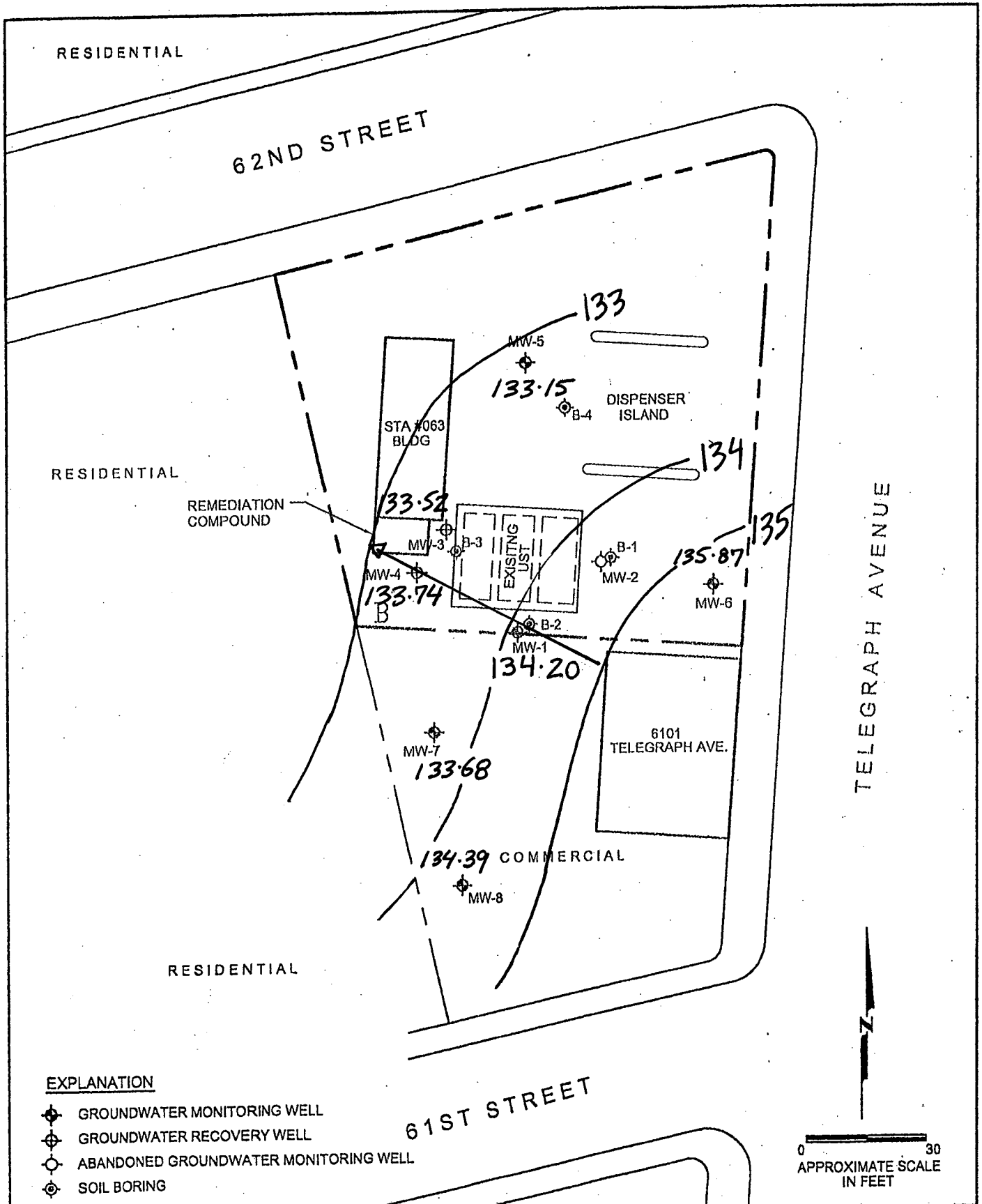
Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
05/23/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-	-	-
06/05/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-	-	-
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	<0.19
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	<1.9
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	-	-	-	-	-	-	-	-	-	-	-	-
08/08/08	2,240,350	3,092,369	808	-	-	-	-	-	-	9,480	65	1,080	375	2,120	<0.19
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	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	-	-	-	-	-	-	8490	100	1130	308	1680	11
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	-	-	-	-	-	-	-

WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0	NE
--------------------------	----	-----	-----	-----	-----	----

Note: < = less than laboratory detection level indicated
 - = no sample / not analyzed
 NE = Permit Limit not established
 In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system. The total number may be different from previous versions of this table.

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

FIGURES



TELEGRAPH AVENUE



0 30
APPROXIMATE SCALE
IN FEET

EXPLANATION

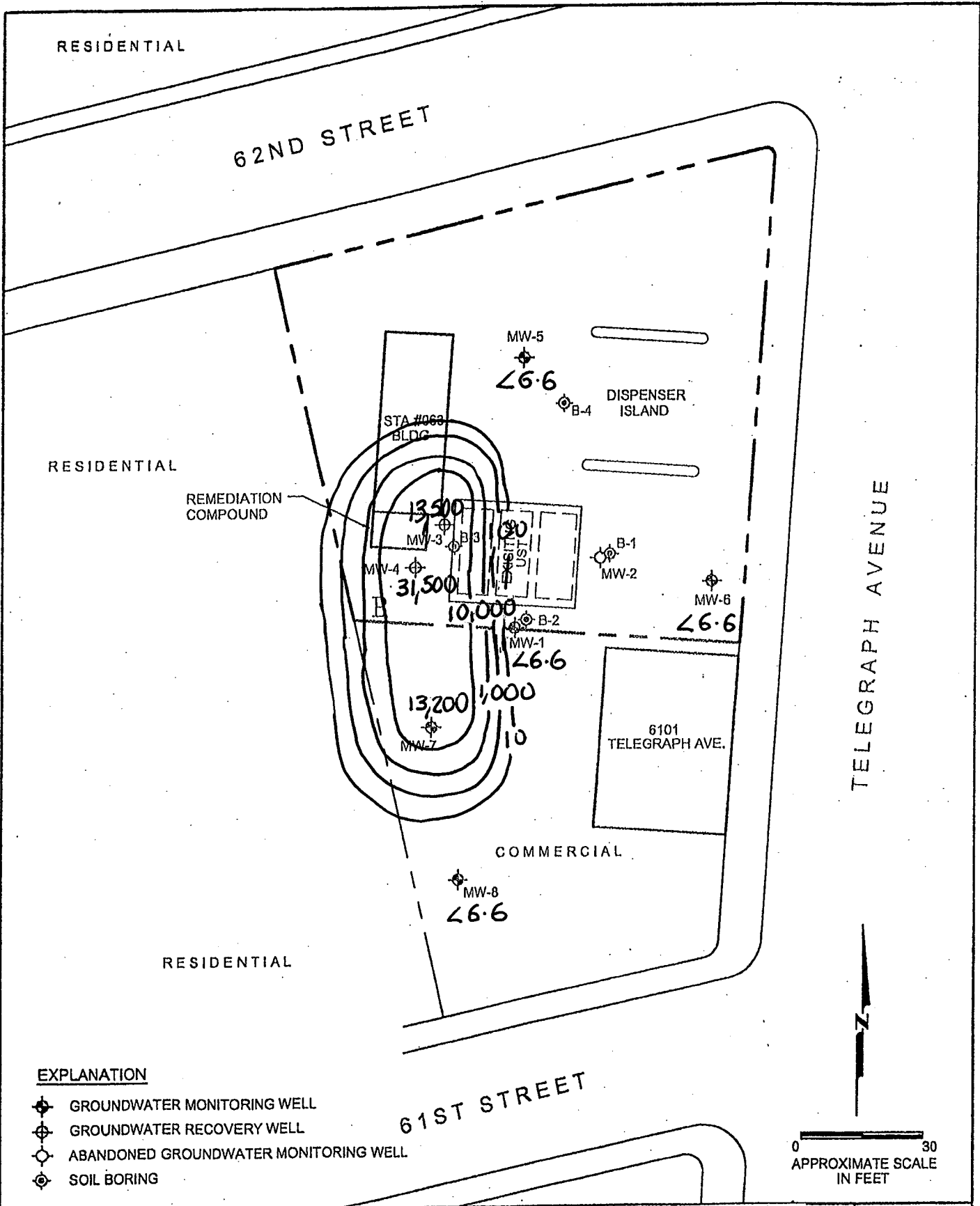
- ⊕ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ⊖ ABANDONED GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING

Groundwater gauging conducted on **10-29-08**
 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.



EXPLANATION

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



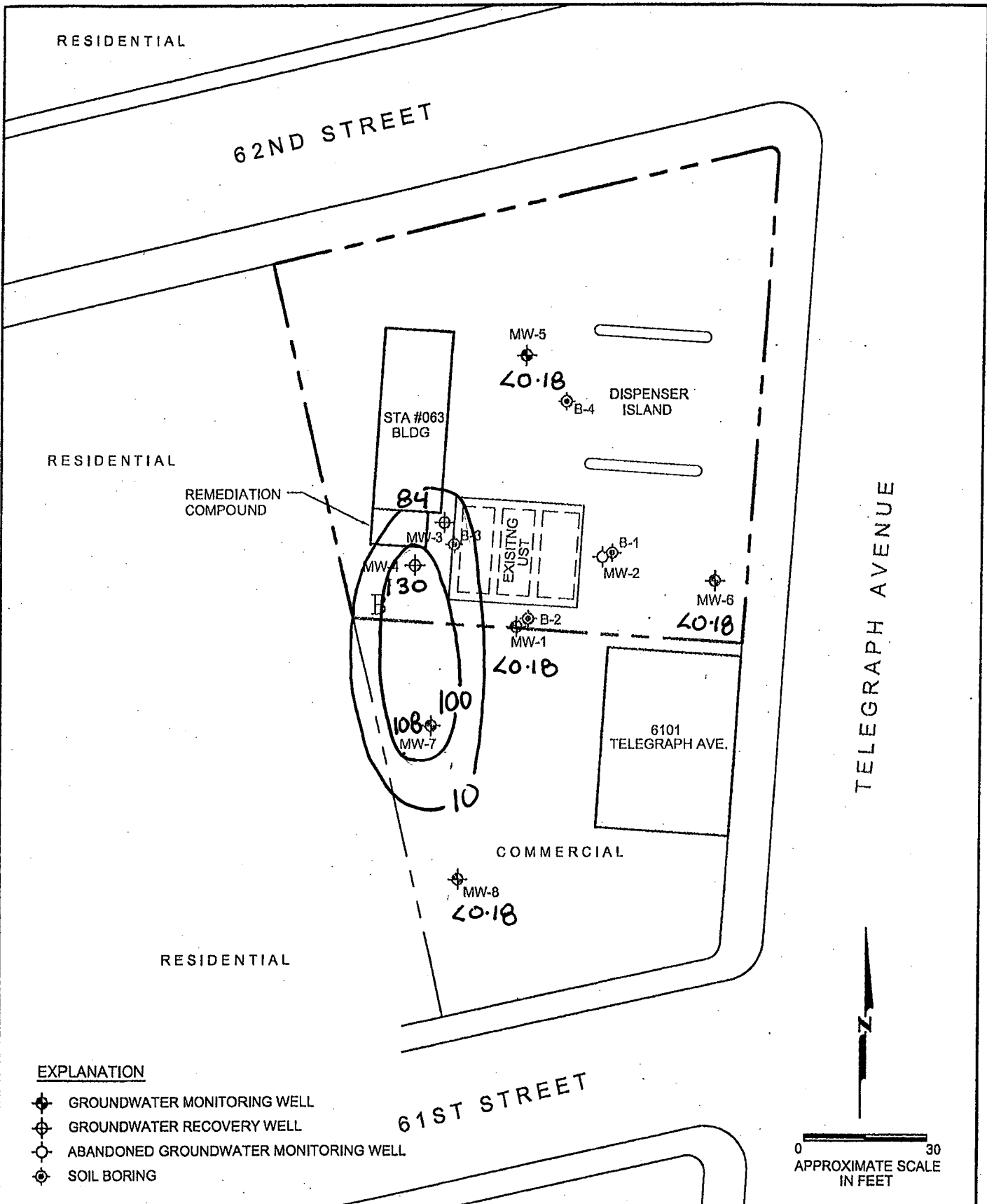
units in $\mu\text{g/L}$
Samples collected on 10-29-08

TPHg Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



TELEGRAPH AVENUE



0 30
APPROXIMATE SCALE
IN FEET

EXPLANATION

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

units in $\mu\text{g/L}$
Samples collected on 10-29-08

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

REMEDIA
TION
COMPOUND

STA #063
BLDG

28

MW-5
LO-19

DISPENSER
ISLAND

B-4

MW-3

10

B-3

MW-4

LO-19

B

MW-1
LO-19

B-2

B-1

MW-2

MW-6

LO-19

MW-7
LO-19

6101
TELEGRAPH AVE.

COMMERCIAL

MW-8
LO-19

RESIDENTIAL

TELEGRAPH AVENUE

61ST STREET

EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET

MTBE Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:

5

SHEET:

of

REVISION NO:

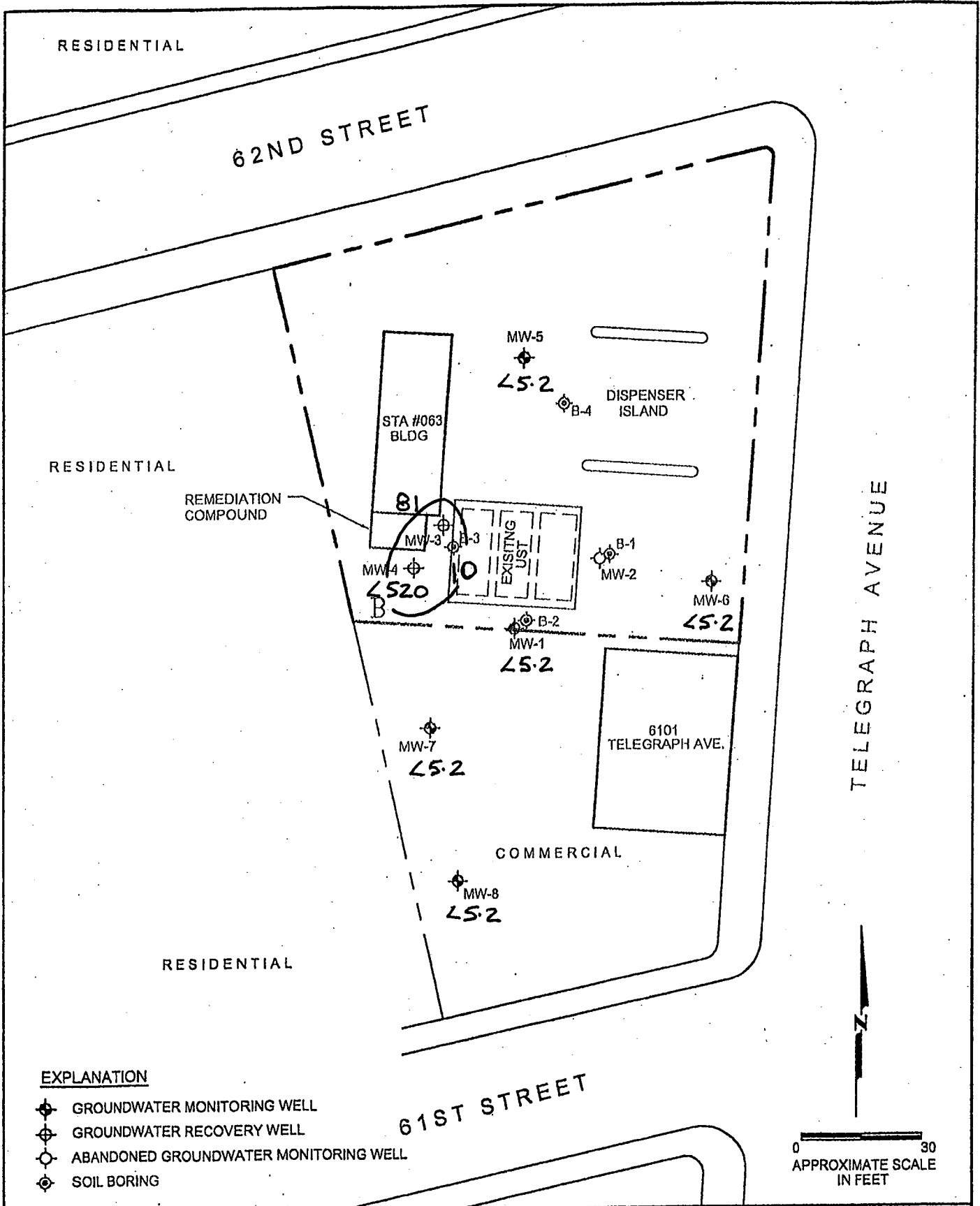
0

DATE: 03/07

units in µg/L

Samples collected on 10-29-08

PROJECT NO.



RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
45.2

B-4

DISPENSER
ISLAND

81

MW-3

B-3

MW-4

45.2

B-3

10

B-2

MW-1

45.2

B-1

MW-2

MW-6

45.2

MW-7

45.2

B-2

MW-1

45.2

6101
TELEGRAPH AVE.

COMMERCIAL

MW-8

45.2

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

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

0 30
APPROXIMATE SCALE
IN FEET

units in µg/L
Samples collected on 10-29-08

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 6
SHEET: of
REVISION NO: 0
DATE: 03/07

PROJECT NO.

APPENDIX A



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. #** Date: **10.24.2008**

Address: **6125 TELEGRAPH AVE OAKLAND 94604** Well ID#: **MW-7**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

Purging Equipment:
 Bailer Diaphragm Pump Electric submersible Pneumatic submersible
 Disposable Bailer Vacuum Truck Extraction Pump Other

Sampling Equipment:
 Disposable Bailer
 Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **9:00** Well casing dia. (in) **2** Multipliers for purge volume estimation:

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

Total Well Depth (ft): **17.45** Depth To Product (ft):
 Depth To Water (ft): **14.52** Product Thickness (ft):
 Water Column (ft): **2.93**

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

Estimated Purge Volume (gal): **2.93 x 0.49 = 1.43**
water column multiplier

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

PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:40	0	START PURGING					
12:41	1	1	71.3	6.03	1320	CLEAR	
12:42	1	1	71.4	6.06	1340	CLEAR	
12:43	1	1	71.6	6.01	1320	CLEAR	
12:44	1	1	71.3	6.02	1330	CLEAR	
12:45	1	1	71.3	6.03	1330	CLEAR	
DTW immed. after purge (ft):		14.50	Actual purged volume (gal):		5	Avg Purge Rate (gpm): 1	

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[\text{Water Column}] \times 0.20 + [\text{DTW Initial}] = \underline{15.10}$ ft

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

SAMPLING DATA

Date: **10.24.08** Time: **95:00** am / pm

pH (if required):
 D.O. (if required):
 O.R.P. (if required):

Depth To Water Before Sampling (ft): **15.00** Notes:

Comments:



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063		Date: 10.29.2008																		
Address: 6125 TELEGRAPH AVE OAKLAND, CA 94604		Well ID# MW-8																		
Personnel: SERBAN P.		Weather: SUNNY DAY																		
Purging Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Diaphragm Pump <input type="checkbox"/> Electric submersible <input type="checkbox"/> Pneumatic submersible <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other		Sampling Equipment: <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other																		
Monitoring Eq.: Water level instrument: YELLOW JACKET pH/Temp/Cond Meter: HANNA																				
Time of measurement: 8:50	Well casing dia. (in): 2	Multipiers for purge volume estimation: <table border="1" style="font-size: small;"> <tr> <th>Well Dia.</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol.</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol.</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table> <p><i>Note for borehole volume, add 1/2 BH vol for each subsequent passes</i></p>	Well Dia.	1"	2"	4"	6"	12"	3 Casing Vol.	0.12	0.49	1.96	4.40	17.62	Borehole Vol.	0.40	0.77	1.51	2.57	7.71
Well Dia.	1"		2"	4"	6"	12"														
3 Casing Vol.	0.12		0.49	1.96	4.40	17.62														
Borehole Vol.	0.40		0.77	1.51	2.57	7.71														
Total Well Depth (ft): 18.29	Depth To Product (ft):																			
Depth To Water (ft): 12.42	Product Thickness (ft):																			
Water Column (ft): 5.37																				
Purge Vol Calculation: <input type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)		Estimated Purge Volume (gal): 5.37 x 0.44 = 3.7 <small>water column multiplier</small>																		

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:30	0	START PURGING					
12:31	1	1	71.2	5.86	1120	CLEAR	
12:32	1	1	71.3	5.83	1130	CLEAR	
12:33	1	1	71.3	5.82	1120	CLEAR	
12:34	1	1	71.3	5.83	1130	CLEAR	
12:35	1	1	71.4	5.83	1120	CLEAR	
DTW immed. after purge (ft): 12.89		Actual purged volume (gal): 5		Avg Purge Rate (gpm): 1			

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $\left[\frac{\text{Water Column}}{5.37} \right] \times 0.20 + \left[\frac{\text{DTW Initial}}{12.42} \right] = \underline{13.99}$ ft

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

SAMPLING DATA

Date: **10.29.08** Time: **14:40** am / pm

pH (if required): _____ D.O. (if required): _____ O.R.P. (if required): _____

Depth To Water Before Sampling (ft): **13.00** Notes: _____

Comments: _____



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10-29-2008**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-4**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

Purging Equipment:
 Bailor Diaphragm Pump Electric submersible Pneumatic submersible
 Disposable Bailor Vacuum Truck Extraction Pump Other

Sampling Equipment:
 Disposable Bailor
 Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:40** Well casing dia. (in): **2**
 Total Well Depth (ft): **29.07** Depth To Product (ft):
 Depth To Water (ft): **15.14** Product Thickness (ft):
 Water Column (ft): **13.93**

Multipliers for purge volume estimation:

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

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

Purge Vol Calculation: Casing Vol. Borehole Vol. (SD) **13.93 x 0.49 = 7**
water column multiplier

PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
12:00							
12:02	2	2					
12:04	2	2					
12:06	2	2					
12:08	2	2					
12:10	2	2					
DTW Immed. after purge (ft):		15.11	Actual purged volume (gal):		10	Avg Purge Rate (gpm):	

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(13.93) \times 0.20 + (15.14)] = 17.92$ ft
Water Column DTW initial

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

SAMPLING DATA

Date: **10-29-08** Time: **14:10** am / pm pH (if required): D.O. (if required): O.R.P. (if required):

Depth To Water Before Sampling (ft): **17.07** Notes:

Comments:



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.29.2008**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-2**

Personnel: **SERBAN P.** Weather: **SUNNY DAY**

Purging Equipment:
 Bailor Diaphragm Pump Electric submersible Pneumatic submersible
 Disposable Bailor Vacuum Truck Extraction Pump Other

Sampling Equipment:
 Disposable Bailor
 Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:30** Well casing dia. (in): **6** Multipliers for purge volume estimation:

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

Total Well Depth (ft): **28.20** Depth To Product (ft):
 Depth To Water (ft): **15.42** Product Thickness (ft):
 Water Column (ft): **12.78**

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

Purge Vol Calculation: Casing Vol. Borehole Vol. (SD) **12.78 x 4.40 = 56**
water column multiplier

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:02	12	12	71.3	6.07	1420	CLEAR	
11:14	12	12	71.4	6.11	1410	CLEAR	
11:26	12	12	71.6	6.04	1340	CLEAR	
11:38	12	12	71.4	6.06	1380	CLEAR	
11:50	12	12	71.6	6.06	1380	CLEAR	
DTW immed. after purge (ft):		15.36	Actual purged volume (gal):		60	Avg Purge Rate (gpm):	

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(12.78) \times 0.20 + (15.42)] = 17.47$ ft
Water Column DTW Initial

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

SAMPLING DATA

Date: **10.29.08** Time: **14:00** am / pm
 pH (if required): D.O. (if required): O.R.P. (if required):

Depth To Water Before Sampling (ft): **17.20** Notes:

Comments:



FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063		Date: 10.29.2008																		
Address: 6125 TELEGRAPH AVE, OAKLAND 94604		Well ID#: MW-6																		
Personnel: SERBAN P.		Weather: SUNNY DAY																		
Purging Equipment: <input type="checkbox"/> Bailer <input type="checkbox"/> Diaphragm Pump <input type="checkbox"/> Electric submersible <input type="checkbox"/> Pneumatic submersible <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Vacuum Truck <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other		Sampling Equipment: <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Other																		
Monitoring Eq.: Water level instrument: YELLOW JACKET pH/Temp/Cond Meter: HANNA																				
Time of measurement: 80:20	Well casing dia. (in): 4	Multipiers for purge volume estimation: <table border="1" style="font-size: small;"> <tr> <th>Well Dia.</th> <th>1"</th> <th>2"</th> <th>4"</th> <th>6"</th> <th>12"</th> </tr> <tr> <td>3 Casing Vol.</td> <td>0.12</td> <td>0.49</td> <td>1.96</td> <td>4.40</td> <td>17.62</td> </tr> <tr> <td>Borehole Vol.</td> <td>0.40</td> <td>0.77</td> <td>1.51</td> <td>2.57</td> <td>7.71</td> </tr> </table>	Well Dia.	1"	2"	4"	6"	12"	3 Casing Vol.	0.12	0.49	1.96	4.40	17.62	Borehole Vol.	0.40	0.77	1.51	2.57	7.71
Well Dia.	1"		2"	4"	6"	12"														
3 Casing Vol.	0.12		0.49	1.96	4.40	17.62														
Borehole Vol.	0.40		0.77	1.51	2.57	7.71														
Total Well Depth (ft): 26.80	Depth To Product (ft):																			
Depth To Water (ft): 12.21	Product Thickness (ft):																			
Water Column (ft): 14.29																				
Purge Vol Calculation: <input type="checkbox"/> Casing Vol. <input type="checkbox"/> Borehole Vol. (SD)		Estimated Purge Volume (gal): $14.29 \times 1.96 = 28$ <small>water column multiplier</small>																		

PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
10:10	0	START PURGING					
10:16	6	6	71.6	5.83	1340	CLEAR	
10:22	6	6	71.3	5.72	1320	CLEAR	
10:28	6	6	71.2	5.91	1310	CLEAR	
10:34	6	6	71.6	5.86	1240	CLEAR	
10:38	4	4	71.3	5.90	1310	CLEAR	
DTW immed. after purge (ft): 12.40		Actual purged volume (gal): 28		Avg Purge Rate (gpm): 1			

RECOVERY CALCULATION

Method: Total Well Depth: 80% Recovery = $[(14.24) \times 0.20 + (12.21)] = 15.36$ ft
Water Column DTW Initial

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

SAMPLING DATA

Date: 10.29.08	Time: 13:20	am / pm	pH (if required):	D.O. (if required):	O.R.P. (if required):
Depth To Water Before Sampling (ft): 12.12		Notes:			

Comments: _____

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: **THRIFTY OIL CO. # 063** Date: **10.29.2008**

Address: **6125 TELEGRAPH AVE, OAKLAND, CA. 94609** Well ID#: **MW-5**

Personnel: **SERBAN P.** Weather: **POUTTY DAY**

Purging Equipment:
 Bailor Diaphragm Pump Electric submersible Pneumatic submersible
 Disposable Bailor Vacuum Truck Extraction Pump Other

Sampling Equipment:
 Disposable Bailor
 Other

Monitoring Eq.: Water level instrument: **YELLOW JACKET** pH/Temp/Cond Meter: **HANNA**

Time of measurement: **8:40** Well casing dia. (in): **4** Multipliers for purge volume estimation:

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

Total Well Depth (ft): **26.23** Depth To Product (ft): Note for borehole volume, add 1/2 BH vol for each subsequent passes

Depth To Water (ft): **16.47** Product Thickness (ft):

Water Column (ft): **9.76** Purge Vol Calculation: Casing Vol. Borehole Vol. (SD)

Estimated Purge Volume (gal):
 $9.76 \times 1.96 = 19$
water column multiplier

PURGING DATA

Time		Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
(hh:mm)	(min)						
9:40							
9:44	4	4	71.6	6.03	1230	CLEAR	
9:48	4	4	71.4	5.92	1240	CLEAR	
9:52	4	4	71.3	5.86	1220	CLEAR	
9:56	4	4	71.4	5.83	1210	CLEAR	
10:00	4	4	71.6	5.86	1220	CLEAR	
DTW Immed. after purge (ft): 16.41		Actual purged volume (gal): 20			Avg Purge Rate (gpm): 1		

RECOVERY CALCULATION

Method: Total Well Depth: $80\% \text{ Recovery} = [\text{Water Column}] \times 0.20 + [\text{DTW initial}] = 18.42 \text{ ft}$

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

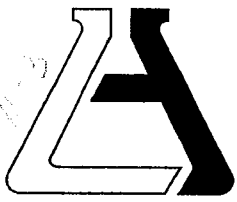
SAMPLING DATA

Date: **10.29.08** Time: **13:10** am / pm pH (if required): D.O. (if required): O.R.P. (if required):

Depth To Water Before Sampling (ft): **18.06** Notes:

Comments:

APPENDIX B



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 222549 ✓
REPORTED 11/10/2008
RECEIVED 10/31/2008

PROJECT Station #063 ✓
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS Global ID: T0600101366

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

<u>Order No.</u>	<u>Client Sample Identification</u>
942724	TOC #063, MW-7
942725	TOC #063, MW-8
942726	TOC #063, MW-4
942727	TOC #063, MW-3
942728	TOC #063, MW-6
942729	TOC #063, MW-5
942730	TOC #063, MW-1
942731	TOC #063, Trip Blank
942732	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.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 942727

Client Sample ID: TOC #063, MW-3

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 14:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	84	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	615	10.0	50.0	2.1	ug/L	11/07/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	28	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	81	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	1190	10.0	50.0	2.4	ug/L	11/07/08 LZ
Xylenes, total	4080	10.0	50.0	4.5	ug/L	11/07/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	99			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	111			%	70 - 135

8015B - Gasoline

Gasoline	13500	10.0	500.0	66.0	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	87			%	60 - 140

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



Order #: 942726

Client Sample ID: TOC #063, MW-4

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 14:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	130	100.0	100.0	18.0	ug/L	11/04/08 LZ
Di-isopropyl ether (DIPE)	ND	100.0	100.0	20.0	ug/L	11/04/08 LZ
Ethyl benzene	926	100.0	500.0	21.0	ug/L	11/04/08 LZ
Ethyl-tertbutylether (ETBE)	ND	100.0	100.0	23.0	ug/L	11/04/08 LZ
Methyl-tert-butylether (MTBE)	ND	100.0	100.0	19.0	ug/L	11/04/08 LZ
Tert-amylmethylether (TAME)	ND	100.0	100.0	19.0	ug/L	11/04/08 LZ
Tertiary butyl alcohol (TBA)	ND	100.0	1000.0	520.0	ug/L	11/04/08 LZ
Toluene	1870	100.0	500.0	24.0	ug/L	11/04/08 LZ
Xylenes, total	5510	100.0	500.0	45.0	ug/L	11/04/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	100			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 135
Surr3 - Toluene-d8	109			%	70 - 135
Surr4 - p-Bromofluorobenzene	99			%	70 - 135

8015B - Gasoline

Gasoline	31500	10.0	500.0	66.0	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	123			%	60 - 140

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



Order #: 942724
Matrix: WATER

Client Sample ID: TOC #063, MW-7
Date Sampled: 10/29/2008 Time Sampled: 15:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	108	10.0	10.0	1.8	ug/L	11/07/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	400	10.0	50.0	2.1	ug/L	11/07/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	987	10.0	50.0	2.4	ug/L	11/07/08 LZ
Xylenes, total	2550	10.0	50.0	4.5	ug/L	11/07/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	98			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 135
Surr3 - Toluene-d8	101			%	70 - 135
Surr4 - p-Bromofluorobenzene	103			%	70 - 135

8015B - Gasoline

Gasoline	13200	10.0	500.0	66.0	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	134			%	60 - 140

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



Order #: 942725
Matrix: WATER

Client Sample ID: TOC #063, MW-8
Date Sampled: 10/29/2008 Time Sampled: 14:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	11/04/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/04/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	11/04/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/04/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/04/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/04/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/04/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	11/04/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	11/04/08 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	103	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110	%	70 - 135
Surr3 - Toluene-d8	111	%	70 - 135
Surr4 - p-Bromofluorobenzene	95	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	11/01/08 LT
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Surrogates

		Units	Control Limits
p-Bromofluorobenzene (Sur)	74	%	60 - 140

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



Order #: 942728

Client Sample ID: TOC #063, MW-6

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	11/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	11/01/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	11/01/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	106			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	96			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	74			%	60 - 140

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



Order #: 942729

Client Sample ID: TOC #063, MW-5

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	11/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	11/01/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	11/01/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 135
Surr3 - Toluene-d8	94			%	70 - 135
Surr4 - p-Bromofluorobenzene	93			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	78			%	60 - 140

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



Order #: 942730

Client Sample ID: TOC #063, MW-1

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	11/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	11/01/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	11/01/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	106			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	99			%	70 - 135
Surr4 - p-Bromofluorobenzene	100			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	11/01/08 LT
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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 #: 942731

Client Sample ID: TOC #063, Trip Blank

Matrix: WATER

Date Sampled: 10/29/2008 Time Sampled: 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	11/01/08 LZ
Ethyl benzene	1.3J	1.0	5	0.21	ug/L	11/01/08 LZ
Toluene	6.8	1.0	5	0.24	ug/L	11/01/08 LZ
Xylenes, total	6.4	1.0	5	0.45	ug/L	11/01/08 LZ

Surrogates

					Units	Control Limits
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
Surr3 - Toluene-d8	98				%	70 - 135
Surr4 - p-Bromofluorobenzene	97				%	70 - 135

8015B - Gasoline

Gasoline	54	1.0	50	6.6	ug/L	11/01/08 LT
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Surrogates

					Units	Control Limits
p-Bromofluorobenzene (Sur)	77				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Tra



Order #: 942732

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	10/31/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/31/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/31/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/31/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	10/31/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/31/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	10/31/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	10/31/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	10/31/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	103			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	99			%	70 - 135
Surr3 - Toluene-d8	98			%	70 - 135
Surr4 - p-Bromofluorobenzene	99			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	72			%	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: G1-LCS&LCSD

Matrix: WATER

Prep. Date: November 1, 2008

Analysis Date 11/1/08-11/2/08

Lab ID#'s in Batch: 222549 ,

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	412	81	82	2

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

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	72
LCS	84
LCSD	85

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 7

Sample ID: *MS/MSD Water Sample*

222587-810

Date Prepared: November 5, 2008

Date Analyzed: 11/05/08 - 11/06/08

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: LR222587, 222782, 222590, 222612, 222592, 222382, 222982, 222605, 222647, 222549,

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	56.70	55.20	113	110	3	22	59 - 172
MTBE	0.00	50.0	45.70	46.10	91	92	1	24	62 - 137
Benzene	0.00	50.0	46.20	45.70	92	91	1	24	62 - 137
Trichloroethene	0.00	50.0	44.10	46.60	88	93	6	21	66 - 142
Toluene	0.00	50.0	46.10	46.30	92	93	0	21	59 - 139
Chlorobenzene	0.00	50.0	44.60	45.50	89	91	2	21	60 - 133

Sample ID: *LCS / LCSD*

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	53.80	58.50	108	117	8	22	59 - 172
MTBE	50.0	46.80	48.60	94	97	4	24	62 - 137
Benzene	50.0	46.80	48.50	94	97	4	24	62 - 137
Trichloroethene	50.0	49.20	49.80	98	100	1	21	66 - 142
Toluene	50.0	47.20	49.90	94	100	6	21	59 - 139
Chlorobenzene	50.0	46.10	50.00	92	100	8	21	60 - 133

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	100	98	106	106	101	104	70 - 135
1,2-Dichloroethane-d4	104	99	113	117	103	107	70 - 135
Toluene-d8	99	104	100	101	100	103	70 - 135
p-Bromofluorobenzene	103	102	96	98	101	98	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *LCS Water Sample*

Date Prepared: October 31, 2008

Date Analyzed: October 31, 2008

Sample Matrix: Water

Units: µg/L

Applies to LR: LR222382, 222549, 222468

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	43.10	86	59 - 172
MTBE	50.0	46.10	92	62 - 137
Benzene	50.0	44.90	90	62 - 137
Trichloroethene	50.0	48.40	97	66 - 142
Toluene	50.0	47.40	95	59 - 139
Chlorobenzene	50.0	50.20	100	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	LCS % Rec	Limits % Rec
Dibromofluoromethane	103	104	101	70 - 135
1,2-Dichloroethane-d4	99	98	99	70 - 135
Toluene-d8	98	96	97	70 - 135
p-Bromofluorobenzene	99	104	100	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: MS/MSD Water Sample
 Date Prepared: November 4, 2008
 Date Analyzed: November 4, 2008
 Sample Matrix: Water
 Units: µg/L

222648-398
 4:55pm

Lab ID#'s in Batch: LR222648, 222549, 222621, 222550, 222613

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	55.70	56.00	111	112	1	22	59 - 172
MTBE	0.00	50.0	52.70	53.00	105	106	1	24	62 - 137
Benzene	0.00	50.0	47.20	47.60	94	95	1	24	62 - 137
Trichloroethene	0.00	50.0	51.90	51.30	104	103	1	21	66 - 142
Toluene	0.00	50.0	48.50	48.30	97	97	0	21	59 - 139
Chlorobenzene	0.00	50.0	48.40	49.60	97	99	2	21	60 - 133

Sample ID: LCS/LCSD

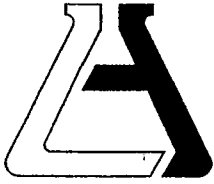
Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	52.60	54.20	105	108	3	22	59 - 172
MTBE	50.0	52.40	49.60	105	99	5	24	62 - 137
Benzene	50.0	46.00	47.90	92	96	4	24	62 - 137
Trichloroethene	50.0	48.10	50.00	96	100	4	21	66 - 142
Toluene	50.0	47.30	47.30	95	95	0	21	59 - 139
Chlorobenzene	50.0	49.00	47.40	98	95	3	21	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	LCSD % Rec	Limits % Rec
Dibromofluoromethane	100	104	101	104	102	103	70 - 135
1,2-Dichloroethane-d4	111	111	106	109	105	103	70 - 135
Toluene-d8	110	110	103	100	103	101	70 - 135
p-Bromofluorobenzene	100	99	98	98	99	100	70 - 135



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: TAC Project: _____
 Date Received: 10/31/08 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?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?	X		
If Yes – were they intact?	X		
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 10/31/08



222549
 Page 1 of 1

Chain of Custody Record

Company: THRIFTY OIL CO.	Phone: (562) 921-3581	A.L. Job No.	
Project Manager: JEFF SURYAKUSUMA	Fax: 562/921-7510	Analysis Requested	
Project Name: Q.W.S.	Project #		
Site Name and Address: 6125 TELEGRAPH AVE OAKLAND CA 94609		Test Instructions & Comments	

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TOB (915M)	BTX (8260B)	OXYGENATES
1 MW-7		10.29.08	15:00	H ₂ O	4-VOA	HCL	X	X	X
2 MW-8		↓	16:40		↑	↑	X	X	X
3 MW-4			14:15		↑	↑	X	X	X
4 MW-3			14:00		↑	↑	X	X	X
5 MW-6			13:20		↑	↑	X	X	X
6 MW-5			13:40		↓	↓	X	X	X
7 MW-1			13:20		↓	↓	X	X	X
8 TRIP BLANK			00:00			2-VOA	HCL	X	X
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers		Property Cooled Y / N / NA		Signature: EMC		Signature:		Signature:	
Custody Seals Y / N / NA		Samples Intact Y / N / NA		Printed Name: SURBAU P		Printed Name:		Printed Name:	
Received in Good Condition Y / N		Samples Accepted Y / N		Date: 10.30.08 Time: 16:00		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: G.S.O.		Signature:		Signature:	
				Printed Name:		Printed Name:		Printed Name:	
				Date: 10/31/08 Time: 8:28		Date: 10-31-08 Time: 10:55		Date: Time:	

APPENDIX C

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 12.23.2008

OBSERVATIONS AND COMMENTS: CHANGE OIL, CHECK BELT, DRAIN
COMPRESSOR TANK, CHECK TRANSFER PUMP,
TAKE WATER SAMPLES FROM SYSTEM,

FLOW METER READING: - 2366510 -

SAMPLES OBTAINED: SYSTEM WATER SAMPLE

(#063) ^{ask p. doc}
12/29/08
12/23/08
cplc
aw/steep

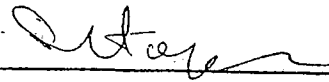
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.3

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

063

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 12.14.2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, CHECK
OIL, BELT, CHECK TRANSFER PUMP, CHECK
PUMP IN MW-3, CLEAN ALL REMAINING DIRT
CHECK BOLTS FROM WELLS HEAD, CHECK DRUM
FROM WEAR,

FLOW METER READING: 2358920

SAMPLES OBTAINED: N/A

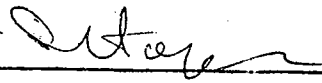
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.4

INSPECTOR'S SIGNATURE: 

063

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

NAME OF INSPECTOR: SERRA P.

DATE OF INSPECTION: 12.18.2008

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK
BELT, DRAIN WATER FROM FILTER/REGULATOR,
CHECK PUMP IN MW-3, CHECK TRANSFER
PUMP,

FLOW METER READING: 2358770

SAMPLES OBTAINED: N/A

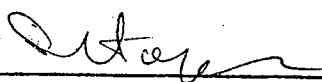
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.3

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

063

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 12.10.2008

OBSERVATIONS AND COMMENTS: DRUM COMPRESSOR TANK, CHECK
BELE, OIL, CHECK TRANSFER PUMP, CHECK
DRUMS AND HOSES FOR LEAK, CHECK PUMP IN
MW-4,

FLOW METER READING: -2351080-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: [Signature]

63

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

NAME OF INSPECTOR: SERRA P.

DATE OF INSPECTION: 12.05.2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, CHECK BELT,
CHECK OIL, CHECK TRANSFER PUMP, CHECK
PUMP IN MW-3, CHECK FOR LEAK DRUMS AND
HOSES,

FLOW METER READING: 2344350

SAMPLES OBTAINED: N/A

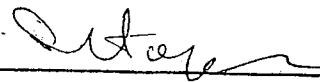
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 11-26-2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL
CLIENT AIR FILTER, CHECK OIL, CHECK TRANSFER
PUMP, CHECK PUMP IN MD-4, CHECK HOSES FOR
LEAK, CHECK FILTER FROM FILTER REGULATOR

FLOW METER READING: 2337570

SAMPLES OBTAINED: N/A

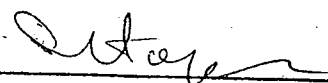
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.3

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 11-21-2008

OBSERVATIONS AND
COMMENTS: DRAIN WATER FROM COMPRESSOR TANK,
CHECK BELT OIL, CHANGE AIR FILTER, CHECK
FILTER FROM FILTER REGULATOR, CHECK TRANSFER
PUMP,

FLOW METER READING: 2330420

SAMPLES OBTAINED: NONE

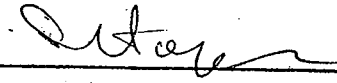
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 11-14-2008

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRAIN WATER FROM
COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK
PUMP IN MW-4, CHECK HOSES AND DRUMS FOR
LEAK,

FLOW METER READING: 2322890

SAMPLES OBTAINED: N/A

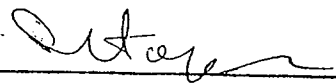
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: 

063

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

NAME OF INSPECTOR: SERAFIN P.

DATE OF INSPECTION: 10.09.2008

OBSERVATIONS AND
COMMENTS: CITANOR OIL, CHECK BELT, CLEAN AIR
FILTER, CHECK TRANSFER PUMP, CHECK AND CLEAN
PUMP IN MW-3, DRAIN COMPRESSOR TANK

FLOW METER READING: 2316370

SAMPLES OBTAINED: NIA

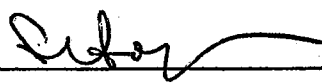
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.4

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 10.28.2008

OBSERVATIONS AND
COMMENTS: TAKE WATER REMAINING FROM SYSTEM
AND SHUT DOWN FOR Q.W.P.

FLOW METER READING: 2307750

SAMPLES OBTAINED: YES

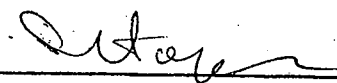
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: 



EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

ADDR:

DATE:

PERSON:

TOE 063
6125 TELEGRAPH AVE
OAKLAND CA 94604
10.28.2008
JEP/BAH

Remediation System Type:

- AS
 SVE
 DPE
 GWT
 FPR
 Other

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment					
FPR	PF Recovery				2307760	
O	Other:					

UTILITIES:

Electrical Meter: _____

Nat. gas Meter: _____

Propane Tank Level: _____

OTHER NOTES:

SHUT DOWN SYSTEM FOR Q.W.P

ALWAYS OBSERVE SAFETY PROCEDURES!

063

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

NAME OF INSPECTOR: SERRANO P.

DATE OF INSPECTION: 10.16.2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK CHECK OIL
BUT CHECK FILTER IN FILTER REGULATOR BOWL
CHECK AWC PUMP

FLOW METER READING: 2294110

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.3

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: [Signature]

063

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

NAME OF INSPECTOR: SERBA D

DATE OF INSPECTION: 10-08-2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, DRAIN
WATER FROM FILTER REGULATOR, CIRCULATED
COMPOUNDS, CIRCULATED HOSES AND DRUM,

FLOW METER READING: 2286630

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.8

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.2

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

INSPECTOR'S SIGNATURE: [Signature]

063

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

NAME OF INSPECTOR: SERBATA

DATE OF INSPECTION: 10-03-2008

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR MTR, CHTACE OIL,
CHACE BRN, CHACE TRANSFER PUMP, CHACE
INSIDE AND OUTSIDE COMPOUND, CHACE PUMP
IN MCH

FLOW METER READING: 2280060

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.6

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: [Signature]

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 09-26-2008

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, CHECK BELT
OIL, CHECK TRANSFER PUMP, CHECK AND CLEAN
PUMP IN MW-2, CHECK HOSES AND DRUMS,

FLOW METER READING: 2272540

SAMPLES OBTAINED: N/A

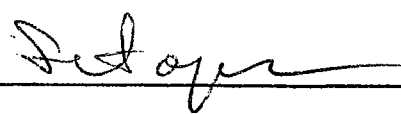
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 2.6

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

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

INSPECTOR'S SIGNATURE: 

APPENDIX D



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 222550

REPORTED 11/12/2008

RECEIVED 10/31/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS REVISED REPORT 12/15/08.

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

Order No.

Client Sample Identification

942733
942734
942735
942736
942737
942738

TOC #063 INT-1
TOC #063 INT-2
TOC #063 INLET
TOC #063 MW-4
TOC #063 MW-3
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. Benare, 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 #: 942733

Client Sample ID: TOC #063 INT-1

Matrix: WATER

Date Sampled: 10/28/2008 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	11/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	11/01/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	11/01/08 LZ

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	104	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103	%	70 - 135
Surr3 - Toluene-d8	100	%	70 - 135
Surr4 - p-Bromofluorobenzene	101	%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	10/31/08 LT
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Surrogates		Units	Control Limits
p-Bromofluorobenzene (Sur)	93	%	60 - 140

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



Order #: 942734

Client Sample ID: TOC #063 INT-2

Matrix: WATER

Date Sampled: 10/28/2008 Time Sampled: 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	57	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	163	1.0	5	0.21	ug/L	11/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	630	5.0	25.0	1.2	ug/L	11/05/08 LZ
Xylenes, total	1210	5.0	25.0	2.25	ug/L	11/01/08 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	102	%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	106	%	70 - 135
Surr3 - Toluene-d8	107	%	70 - 135
Surr4 - p-Bromofluorobenzene	96	%	70 - 135

8015B - Gasoline

Gasoline	7680	5.0	250.0	6.6	ug/L	11/03/08 LT
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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



Order #: 942735

Client Sample ID: TOC #063 INLET

Matrix: WATER

Date Sampled: 10/28/2008 Time Sampled: 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	100	1.0	1	0.18	ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	11/01/08 LZ
Ethyl benzene	308	10.0	50.0	2.1	ug/L	11/05/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	11	1.0	1	0.19	ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	32	1.0	10	5.2	ug/L	11/01/08 LZ
Toluene	1130	10.0	50.0	2.4	ug/L	11/05/08 LZ
Xylenes, total	1680	10.0	50.0	4.5	ug/L	11/05/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	107			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 135
Surr3 - Toluene-d8	103			%	70 - 135
Surr4 - p-Bromofluorobenzene	95			%	70 - 135

8015B - Gasoline

Gasoline	8490	10.0	500.0	66.0	ug/L	11/03/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	101			%	60 - 140

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



Order #: 942736

Client Sample ID: TOC #063 MW-4

Matrix: WATER

Date Sampled: 10/28/2008 Time Sampled: 13:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	180	25.0	25.0	4.5	ug/L	11/10/08 LZ
Di-isopropyl ether (DIPE)	ND	25.0	25.0	5.0	ug/L	11/10/08 LZ
Ethyl benzene	1610	25.0	125.0	5.25	ug/L	11/10/08 LZ
Ethyl-tertbutylether (ETBE)	ND	25.0	25.0	5.75	ug/L	11/10/08 LZ
Methyl-tert-butylether (MTBE)	ND	25.0	25.0	4.75	ug/L	11/10/08 LZ
Tert-amylmethylether (TAME)	ND	25.0	25.0	4.75	ug/L	11/10/08 LZ
Tertiary butyl alcohol (TBA)	ND	25.0	250.0	130.0	ug/L	11/10/08 LZ
Toluene	3480	25.0	125.0	6.0	ug/L	11/10/08 LZ
Xylenes, total	9130	25.0	125.0	11.25	ug/L	11/10/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	101			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 135
Surr3 - Toluene-d8	100			%	70 - 135
Surr4 - p-Bromofluorobenzene	103			%	70 - 135

8015B - Gasoline

Gasoline	43,600	20.0	1000.0	132.0	ug/L	11/10/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	104			%	60 - 140

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



Order #: 942737

Client Sample ID: TOC #063 MW-3

Matrix: WATER

Date Sampled: 10/28/2008 Time Sampled: 13:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	90	5.0	5.0	0.9	ug/L	11/02/08 LZ
Di-isopropyl ether (DIPE)	ND	5.0	5.0	1.0	ug/L	11/02/08 LZ
Ethyl benzene	425	5.0	25.0	1.05	ug/L	11/02/08 LZ
Ethyl-terbutylether (ETBE)	ND	5.0	5.0	1.15	ug/L	11/02/08 LZ
Methyl-tert-butylether (MTBE)	21	5.0	5.0	0.95	ug/L	11/02/08 LZ
Tert-amylmethylether (TAME)	ND	5.0	5.0	0.95	ug/L	11/02/08 LZ
Tertiary butyl alcohol (TBA)	ND	5.0	50.0	26.0	ug/L	11/02/08 LZ
Toluene	967	5.0	25.0	1.2	ug/L	11/02/08 LZ
Xylenes, total	2500	5.0	25.0	2.25	ug/L	11/02/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	95			%	70 - 135
Surr3 - Toluene-d8	100			%	70 - 135
Surr4 - p-Bromofluorobenzene	105			%	70 - 135

8015B - Gasoline

Gasoline	7010	10.0	500.0	66.0	ug/L	11/01/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	97			%	60 - 140

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



Order #: 942738

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1.0	0.18 ug/L	11/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20 ug/L	11/01/08 LZ
Ethyl benzene	ND	1.0	5.0	0.21 ug/L	11/01/08 LZ
Ethyl-terbutylether (ETBE)	ND	1.0	1.0	0.23 ug/L	11/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1.0	0.19 ug/L	11/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19 ug/L	11/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10.0	5.2 ug/L	11/01/08 LZ
Toluene	ND	1.0	5.0	0.24 ug/L	11/01/08 LZ
Xylenes, total	ND	1.0	5.0	0.45 ug/L	11/01/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	104			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105			%	70 - 135
Surr3 - Toluene-d8	100			%	70 - 135
Surr4 - p-Bromofluorobenzene	103			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6 ug/L	10/31/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	91			%	60 - 140

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



ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *LCS Water Sample*

Date Prepared: November 1, 2008

Date Analyzed: November 1, 2008

Sample Matrix: Water

Units: µg/L

Applies to LR: LR222550, 222468

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	57.10	114	59 - 172
MTBE	50.0	49.40	99	62 - 137
Benzene	50.0	49.10	98	62 - 137
Trichloroethene	50.0	54.10	108	66 - 142
Toluene	50.0	49.70	99	59 - 139
Chlorobenzene	50.0	48.70	97	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	LCS % Rec	Limits % Rec
Dibromofluoromethane	104	103	102	70 - 135
1,2-Dichloroethane-d4	105	96	95	70 - 135
Toluene-d8	100	98	99	70 - 135
p-Bromofluorobenzene	103	104	97	70 - 135

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: October 31, 2008

Analysis Date 10/31/08-11/1/08

Lab ID#'s in Batch: 222444 , 222550 .

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	444	448	89	90	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

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	91
LCS	92
LCSD	92

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: November 10, 2008

Analysis Date 11/10/08-11/11/08

Lab ID#'s in Batch: 223024, 222550, 222467, 222957, 222909, 222959

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	469	475	94	95	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

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	86
LCS	92
LCSD	93

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: MS/MSD Water Sample
 Date Prepared: November 4, 2008
 Date Analyzed: November 4, 2008
 Sample Matrix: Water
 Units: µg/L

222468-398
 4:55pm

Lab ID#'s in Batch: LR222468, 222549, 222621, 222550, 222613

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	55.70	56.00	111	112	1	22	59 - 172
MTBE	0.00	50.0	52.70	53.00	105	106	1	24	62 - 137
Benzene	0.00	50.0	47.20	47.60	94	95	1	24	62 - 137
Trichloroethene	0.00	50.0	51.90	51.30	104	103	1	21	66 - 142
Toluene	0.00	50.0	48.50	48.30	97	97	0	21	59 - 139
Chlorobenzene	0.00	50.0	48.40	49.60	97	99	2	21	60 - 133

Sample ID: LCS/LCSD

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	52.60	54.20	105	108	3	22	59 - 172
MTBE	50.0	52.40	49.60	105	99	5	24	62 - 137
Benzene	50.0	46.00	47.90	92	96	4	24	62 - 137
Trichloroethene	50.0	48.10	50.00	96	100	4	21	66 - 142
Toluene	50.0	47.30	47.30	95	95	0	21	59 - 139
Chlorobenzene	50.0	49.00	47.40	98	95	3	21	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	LCSD % Rec	Limits % Rec
Dibromofluoromethane	100	104		101	104		102	103	70 - 135
1,2-Dichloroethane-d4	111	111		106	109		105	103	70 - 135
Toluene-d8	110	110		103	100		103	101	70 - 135
p-Bromofluorobenzene	100	99		98	98		99	100	70 - 135

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: November 3, 2008

Analysis Date 11/03/08-11/04/08

Lab ID#'s in Batch: 222509, 222547, 222308, 222467, 222511, 222550, 222576, 222569, 221888, 222567, 222568, 222621

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	414	84	83	2

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

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	65
LCS	81
LCSD	82

BFB = p-Bromofluorobenzene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: November 3, 2008

Analysis Date 11/03/08-11/04/08

Lab ID#'s in Batch: 222509, 222547, 222308, 222467, 222511, 222550, 222576, 222569, 221888, 222567, 222568, 222621

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	414	84	83	2

ND = Not Detected

LCS Result = Lab Control Sample Result

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

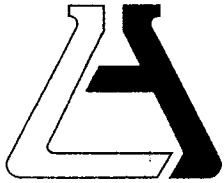
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	65
LCS	81
LCSD	82

BFB = p-Bromofluorobenzene



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: TAC Project: _____
 Date Received: 10/31/08 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?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?	X		
If Yes - were they intact?	X		
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 10/31/08



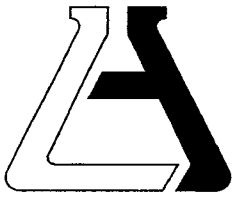
222550
Page 1 of 1

Chain of Custody Record

Company	THRIFTY OIL CO.	Phone	(562) 921-3581	A.L. Job No.	
Project Manager	JEFF SURYAKUSUMA	Fax	(562) 421-7510	Analysis Requested	
Project Name	SYSTEM WATER SAMPLING	Project #	063	Test Instructions & Comments	
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA 94609				

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	PH (8015M)	BTX (8260A)	OXY (8210A)								
1 INT-1		10.28.08	13:00	H ₂ O	4-VOL	HEC	X	X	X								
2 INT-2			13:10				X	X	X								
3 INLET			13:20				X	X	X								
4 MW-43 rain			13:30				X	X	X								
5 MW-43 rain			13:40				X	X	X								
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: E.M.C.	Relinquished by 2.	Relinquished by 3.
Total Number of Containers	Property Cooled Y / N / NA	Signature: <i>[Signature]</i>	Printed Name: SPRIBAN P.	Date: 10.24.08	Time: 16:00	Signature:
Custody Seals Y / N / NA	Samples Intact Y / N / NA	Signature: <i>[Signature]</i>	Printed Name: G.S.O.	Date:	Time:	Signature:
Received in Good Condition Y / N	Samples Accepted Y / N	Signature: <i>[Signature]</i>	Printed Name: G.S.O.	Date: 10.31.08	Time: 10:58	Signature:
Turn Around Time				Received By: G.S.O.	Received By: 2.	Received By: 3.
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature: <i>[Signature]</i>	Signature:	Signature:
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name: G.S.O.	Printed Name:	Printed Name:
				Date: 10.31.08	Time: 10:58	Date: 10.31.08



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 226037

REPORTED 01/05/2009

RECEIVED 12/24/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland, CA 94609

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.

958222

958223

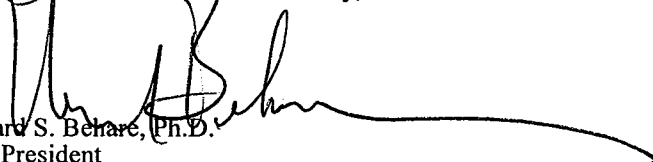
Client Sample Identification

TOC#063 Outlet PSP

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 #: 958222

Client Sample ID: TOC#063 Outlet PSP

Matrix: WATER

Date Sampled: 12/23/2008 Time Sampled: 10:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	12/30/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/30/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	12/30/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	12/30/08 LZ

Surrogates

					Units	Control Limits
Surr1 - Dibromofluoromethane	90				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	90				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	112				%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	12/30/08 LT
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Surrogates

					Units	Control Limits
p-Bromofluorobenzene (Sur)	74				%	60 - 140

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



Order #: 958223

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8260B BTEX/MTBE Only

Benzene	ND	1.0	1	0.18	ug/L	12/30/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/30/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	12/30/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	12/30/08 LZ

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	91			%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	90			%	70 - 135
Surr3 - Toluene-d8	102			%	70 - 135
Surr4 - p-Bromofluorobenzene	107			%	70 - 135

8015B - Gasoline

Gasoline	ND	1.0	50	6.6	ug/L	12/30/08 LT
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Surrogates

				Units	Control Limits
p-Bromofluorobenzene (Sur)	75			%	60 - 140

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



ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 7

Sample ID: *MS/MSD Water Sample*

226037-222

Date Prepared: December 29, 2008

Date Analyzed: 12/29-12/30/08

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: LR226070, 226037, 225867, 226046, 226029

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	50.10	48.10	100	96	4	22	59 - 172
MTBE	0.00	50.0	47.90	44.30	96	89	8	24	62 - 137
Benzene	0.00	50.0	49.10	46.60	98	93	5	24	62 - 137
Trichloroethene	0.00	50.0	51.70	52.80	103	106	2	21	66 - 142
Toluene	0.00	50.0	51.90	52.60	104	105	1	21	59 - 139
Chlorobenzene	0.00	50.0	50.30	50.30	101	101	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.20	98	59 - 172
MTBE	50.0	46.40	93	62 - 137
Benzene	50.0	46.40	93	62 - 137
Trichloroethene	50.0	50.40	101	66 - 142
Toluene	50.0	50.10	100	59 - 139
Chlorobenzene	50.0	49.30	99	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	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	91	96	93	98	70 - 135
1,2-Dichloroethane-d4	90	103	101	100	70 - 135
Toluene-d8	102	101	104	103	70 - 135
p-Bromofluorobenzene	107	95	104	100	70 - 135

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: December 30, 2008

Analysis Date 12/30/08-12/31/08

Lab ID#'s in Batch: 226037, 226082, 226026, 226028

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	461	474	92	95	3

ND = Not Detected

LCS Result = Lab Control Sample Result

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

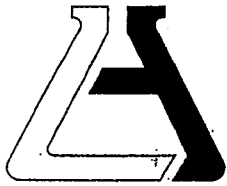
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

<i>%REC LIMITS = 70 - 130</i>
<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	75
LCS	82
LCSD	85

BFB = p-Bromofluorobenzene



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: TDC # 063 Project: _____
 Date Received: 12-24 Sampler's Name: Yes No
 Sample(s) received in cooler: Yes No (Skip Section 2)
 Shipping Information: _____

Section 2
 Was the cooler packed with: Ice _____ Ice Packs _____ Bubble Wrap _____ Styrofoam
 _____ Paper None _____ Other _____
 Cooler or box temperature: 5.3
 (Acceptance range is 2 to 6 Deg. C.)

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

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

Section 4
 Explanations/Comments

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

Completed By: [Signature] Date: 12-24-08

Chain of Custody Record



226037

Page 1 of 1

Company: **TRIFLY OIL CO.** Phone: 562(421-3581) A.L. Job No.

Project Manager: **Jeff Durbansport** Fax: 562(421-7540)

Project Name: **DETAILED WATER ANALYSIS** Project #: **063**

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

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1	OUTLET ASPH	12-28-08	10:00	H ₂ O	4-VOL	HTL
						X
						X

Analysis Requested	Test Instructions & Comments
	GAS SAMPLE

15	X
14	
13	
12	
11	
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

Sample Receipt - To Be Filled By Laboratory

Relinquished by **1. E.M.C.** Signature: [Signature] Date: [Blank] Time: [Blank]

Relinquished by **2. [Blank]** Signature: [Blank] Date: [Blank] Time: [Blank]

Relinquished by **3. [Blank]** Signature: [Blank] Date: [Blank] Time: [Blank]

Total Number of Containers: [Blank] Received in Good Condition Y/N: [Blank]

Custody Seals Y/N/NA: [Blank] Samples Intact Y/N/NA: [Blank]

Property Cooled Y/N/NA: [Blank] Samples Accepted Y/N: [Blank]

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

Received By: **3. [Signature]** Signature: [Blank] Date: [Blank] Time: [Blank]

Printed Name: [Blank] Signature: [Blank] Date: [Blank] Time: [Blank]

Printed Name: **STEPHEN D** Signature: [Blank] Date: **12-28-08** Time: **15:30**

Printed Name: **STEPHEN D** Signature: [Blank] Date: [Blank] Time: [Blank]

Printed Name: **[Signature]** Signature: [Blank] Date: [Blank] Time: [Blank]

Printed Name: **[Signature]** Signature: [Blank] Date: [Blank] Time: [Blank]