THRIFTY OIL CO.

October 7, 2008

O.90616

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 # 3860890269

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

Dear Mr. Plunkett:

Presented herein is the Third 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 Third 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. Thrifty will implement the RAP upon approval from the Alameda County Health Care Services.

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

Respectfully submitted,

Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Mr. Bobby Lu, P.G
File

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

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063
Third Quarter 2008
Reporting Period: 07/01/2008 to 09/24/2008

Site Information:

Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	3860890269
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:	July 30, 2008
Date(s) sampled:	July 30, 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
e product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

Site Hydrogeology:

Depth to groundwater (feet bgs):	13.36 to 16.54
Groundwater elevation (feet above mean sea level):	132.34 to 135.02
Groundwater gradient and flow direction:	West-southwest at approximately 0.05 ft./ft.
Consistent with previous quarter:	Similar to previous quarter

Groundwater Conditions:

TPHg concentration (ug/L):	ND<6.6 to 1,280
Benzene concentration (ug/L):	ND<0.18 to 28
Toluene concentration (ug/L):	ND<0.24 to 105
Ethyl benzene concentration (ug/L):	ND<0.21 to 26
Total Xylenes concentration (ug/L):	ND<0.45 to 150
MTBE concentration (ug/L):	ND<0.19
DIPE concentration (ug/L):	ND<0.20
ETBE concentration (ug/L):	ND<0.23
TAME concentration (ug/L):	ND<0.19
TBA concentration (ug/L):	ND<5.2 to 20

Remediation Activity:

System type:	GWPT
System start-up:	4/8/1991
Operation this quarter (hrs.):	NA
Cumulative Operation (hrs.):	NA
GW discharge this quarter (gal.):	57,950 (06/25/08 to 09/24/08)
Total GW discharge (gal.):	3,122,979 (through September 24, 2008)
Hydrocarbons extracted this quarter (lbs.):	NA
Total hydrocarbons extracted (lbs.):	NA
Hydrocarbon removal rate (lbs/hour) from startup	NA
Hydrocarbon removal rate (lbs/hour) this quarter	NA

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 July 30, 2008, groundwater monitoring data is presented in **Figure 2**. The groundwater flow direction is to the west-southwest at an approximate gradient of 0.05 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 July 30, 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 1,280 micrograms per liter (ug/L) and 28 ug/L, respectively. TBA was only detected in one well (MW-4) at 20 ug/l, and MTBE and the other oxygenated compounds were not detected at or above laboratory detection limits in any of the 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 June 25, 2008 through September 24, 2008), the groundwater treatment system processed approximately 57,950 gallons of groundwater and has treated approximately 3,122,979 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

Current and 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).

Activities Planned for Fourth Quarter 2008

The following activities are planned for next reporting period (Fourth Quarter 2008):

- Continue groundwater monitoring and sampling;
- Continue operations of the groundwater remediation system; and
- Thrifty will implement the September 2, 2008 RAP upon approval from the Alameda County Health Care Services.

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

REGISTERED GEOLOGIST
LARRY HIGINBOTHAM
Exp. 04/30/09
No. 5497
STATE OF CALIFORNIA

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)	ETH (mg/L)	METH (mg/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	
MW-1	ACT	07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	15.04	28.94	0.00	148.43	133.39	15 - 30
MW-3	ACT	07/30/08	<6.6	<0.18	<0.24	<0.21	1.9 J	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	15.61	28.20	0.00	148.94	133.33	15 - 30
MW-4	ACT	07/30/08	1,280	28	105	26	150	<0.19	<0.20	<0.23	<0.19	20	-	-	NP	16.54	29.07	0.00	148.88	132.34	9 - 29
MW-5	ACT	07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	15.96	26.23	0.00	149.62	133.66	7 - 27
MW-6	ACT	07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	13.36	26.20	0.00	148.38	135.02	7 - 27
MW-7	ACT	07/30/08	181	<0.18	<0.24	<0.21	22	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	15.13	17.44	0.00	148.20	133.07	8 - 18
MW-8	ACT	07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	<0.20	<0.23	<0.19	<5.2	-	-	NP	13.50	18.26	0.00	147.31	133.81	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
INACT	Groundwater well is NOT included in monitoring program	TPHd	= Total Petroleum Hydrocarbons as diesel	DIPE	= Isopropyl ether	DTW	= Depth To Water
DRY	Groundwater well is dry and/or cannot be sampled	B	= Benzene	ETBE	= Ethyl-tert-butyl ether	DTB	= Depth To Bottom
NOACC	Presently no access to groundwater well	T	= Toluene	TAME	= Tert-amyl methyl ether	PT	= Product Thickness
DEST	Well has been properly destroyed, no longer a conduit to subsurfa	E	= Ethylbenzene	TBA	= Tertiary butyl alcohol	GW	= Groundwater
AB	Groundwater well is abandoned, but not yet destroyed	X	= Total Xylenes				

"-"	= Not analyzed / Not available
"<"	= Less than detection level indicated
"J"	= Flag indicating value between MDL & PQL
NP	= No free product

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-1				*Screen Interval = 15 to 30 feet*							
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	DEPTH TO GROUNDWATER	PRODUCT THICKNESS	CASING ELEVATION	GROUNDWATER ELEVATION
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
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
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
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86

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)					
04/12/94	-	-	-	-	-	-	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
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

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-4				*Screen Interval = 9 to 29 feet*							
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
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

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/25/00	<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
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	-	-	-	-	-	-		#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-		#N/A	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/24/07	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
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

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, ethlybenzene, and xylene analyzed by EPA method 8020/8021B.

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

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

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

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

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
MONITORING WELL # MW-1						
10/16/97	<20	<20	<20	3,900		
01/07/98	<20	<20	92	<500		
04/03/98	<20	<20	65	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	15	487		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	27	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<2.9	<1.7	<2.8	121	-	-
10/25/06	<0.29	<0.17	2.4	11	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	54	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
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	-	-
MONITORING WELL # MW-4						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
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	-	-
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	-	-
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	2.4	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-

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

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) *(mg/L)*	Methanol (METH) *(mg/L)*
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<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	-	-
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	-	-

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	-	Sytem 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	-

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
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	-
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	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-					
01/16/95	742,074	481,447	0	Sytem 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											

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
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	-
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											

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
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	-	-	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem restarted on 10/25/00 after QWS											
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	<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)					

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

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

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

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
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	-	-	-	-	-	-	-	-	-	-	-	-
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 sytem 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			-	-	-	-	-	-	-	-	-

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
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 sytem 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
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	-	-	-	-	-	-	-	-	-	-	-	-

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

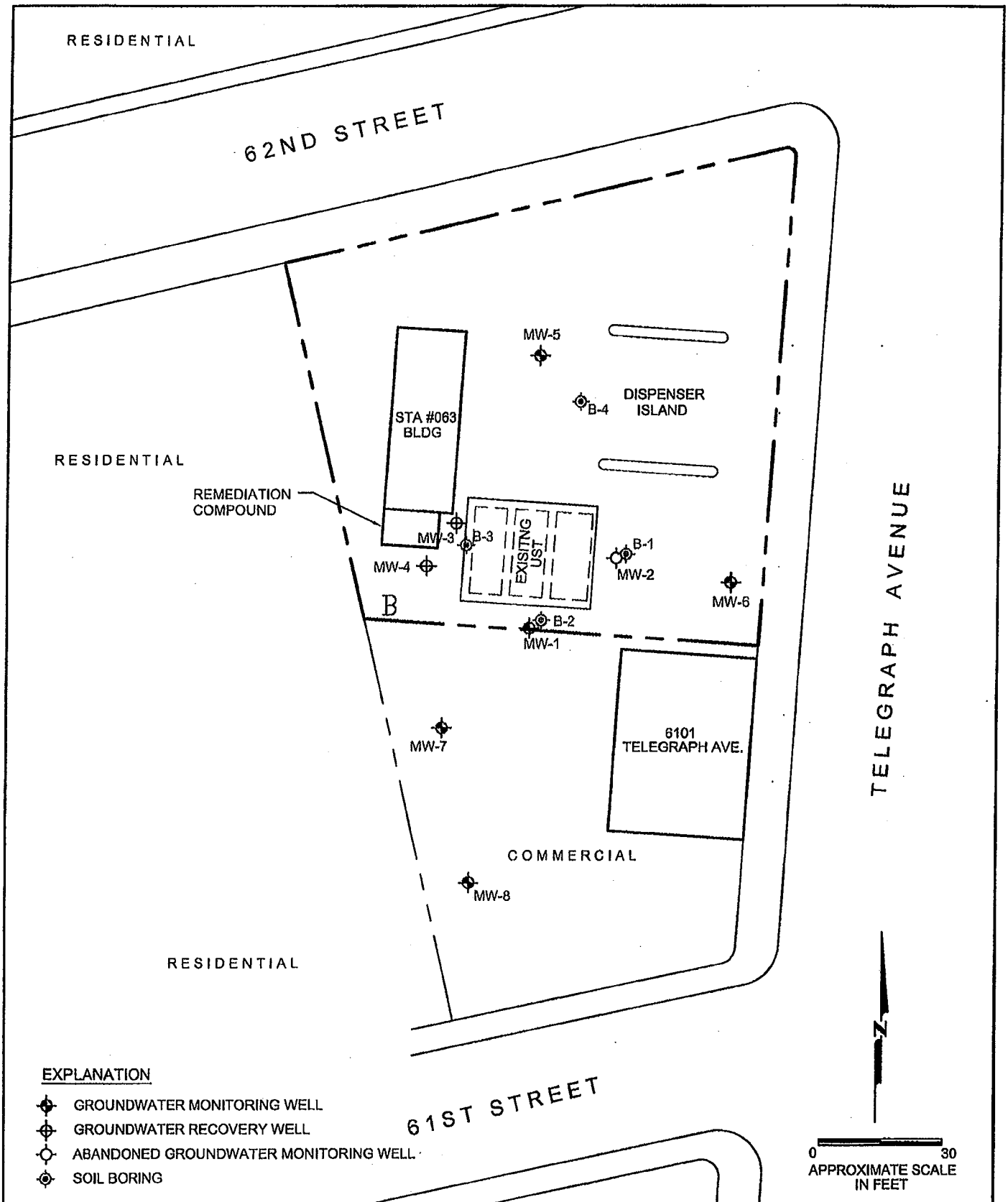
Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT						INLET / INFLUENT					
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L
12/28/07	2,094,210	2,946,229	410	-	-	-	-	-	-	-	-	-	-	-	-
01/04/08	2,097,490	2,949,509	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
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				-	-
WD PERMIT LIMITS:				*NE*	*5.0*	*5.0*	*5.0*	*5.0*	*NE*						

Note:

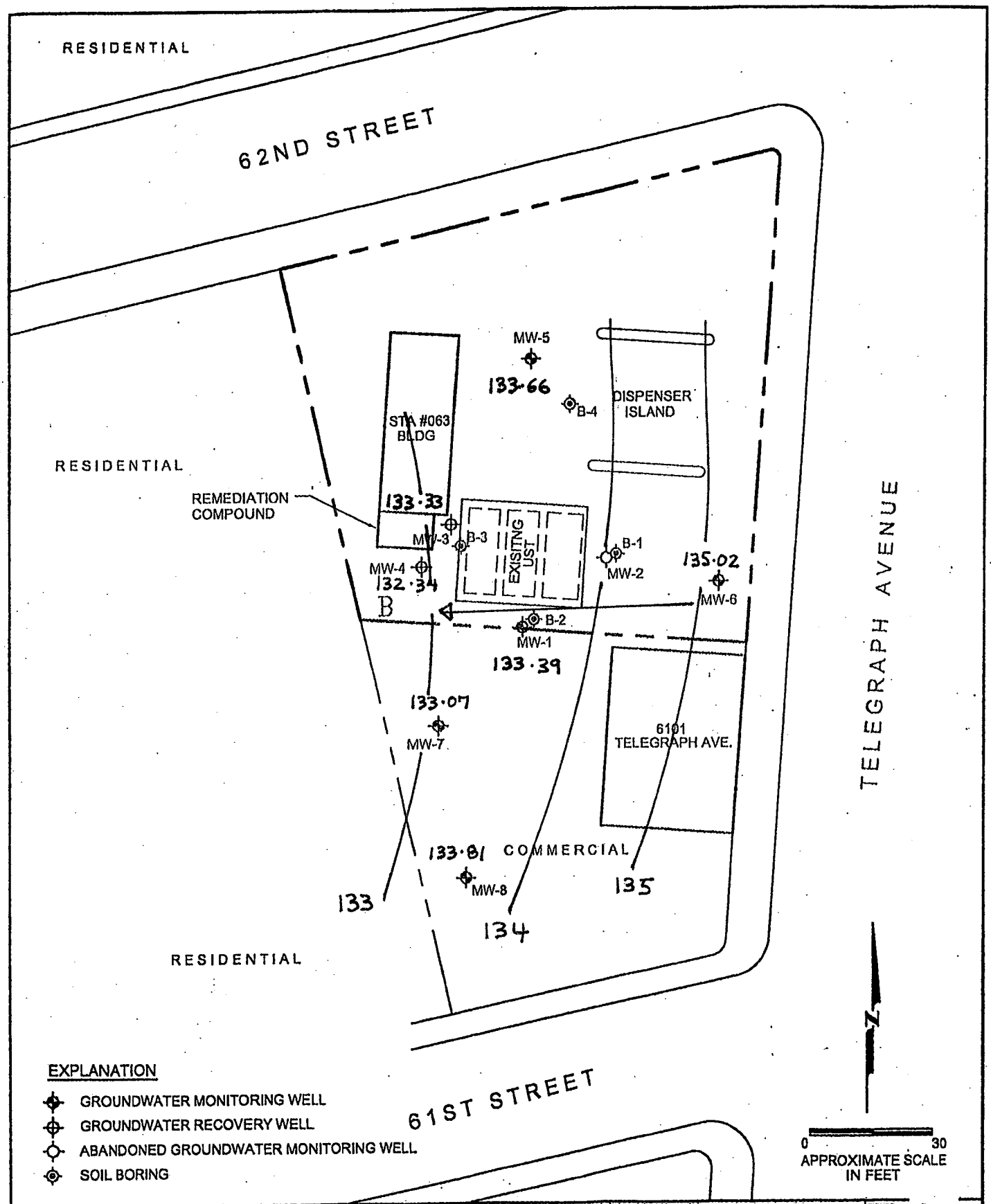
< = less than laboratory detection level indicated
- = no sample / not analyzed
NE = Permit Limit not established
TPH is analyzed by EPA Method 8015 M
BTEX is analyzed by EPA Method 8021 or 8260
*MTBE by 8020 / 8260

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.

FIGURES



	SITE PLAN	FIGURE: 1
	Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California	SHEET: of REVISION NO: 0 DATE: 03/07
PROJECT NO. -		



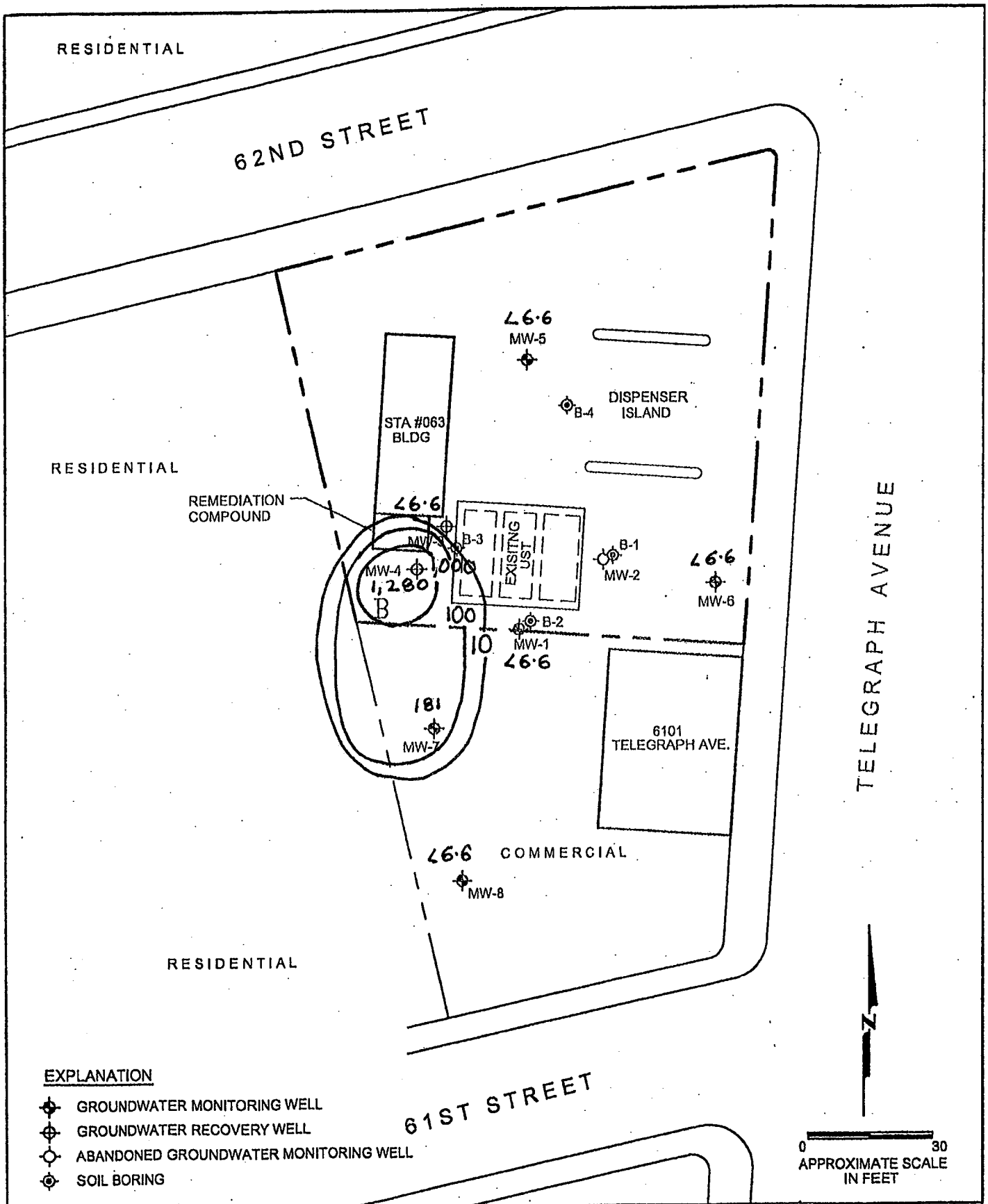
Groundwater gauging conducted on 7-30-08
Elevations reported in feet above mean sea level
* = not used to determine groundwater contour lines

PROJECT NO.

Groundwater Elevation Contour Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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



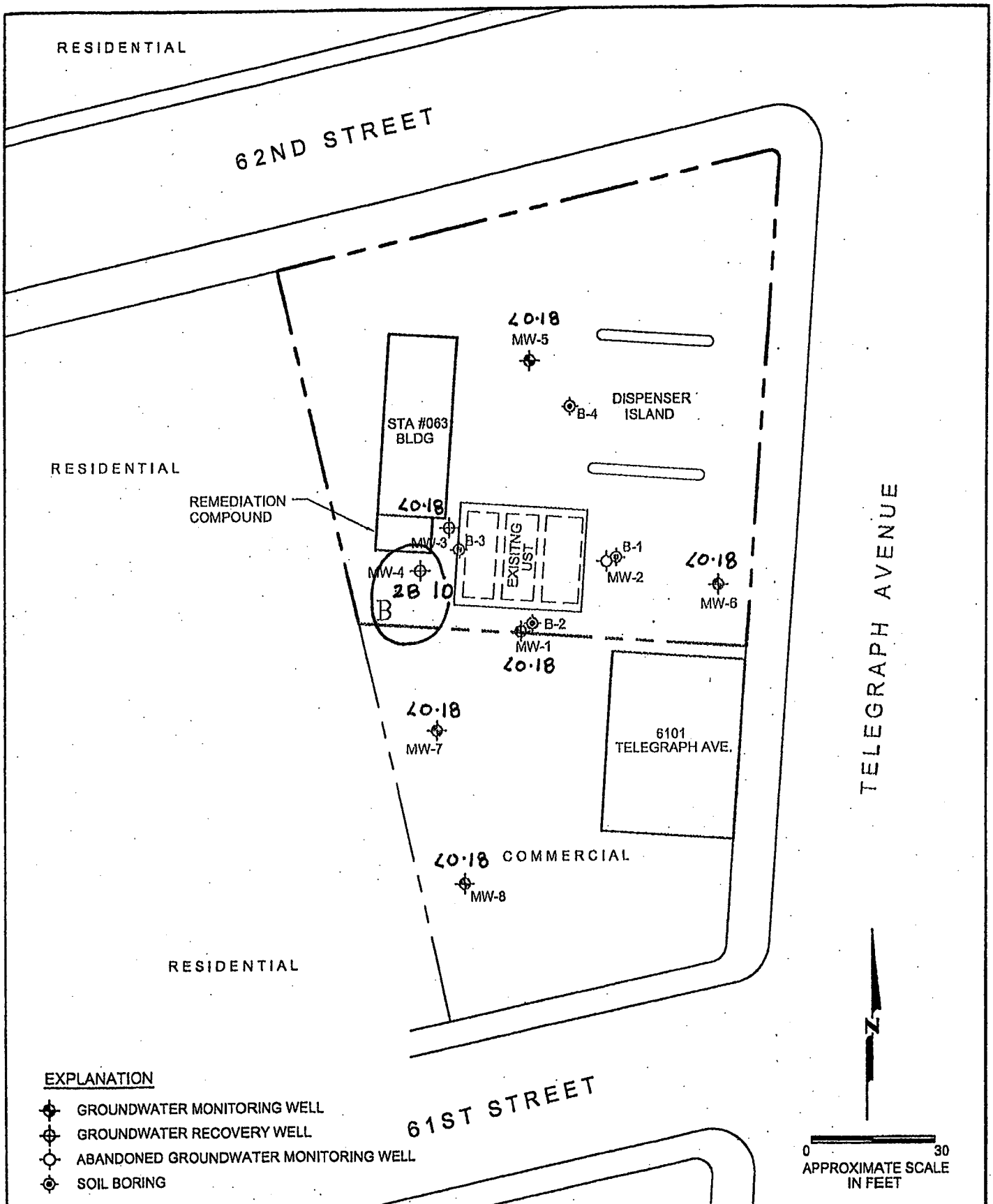
units in µg/L
Samples collected on 7-30-08

PROJECT NO. -

TPHg Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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



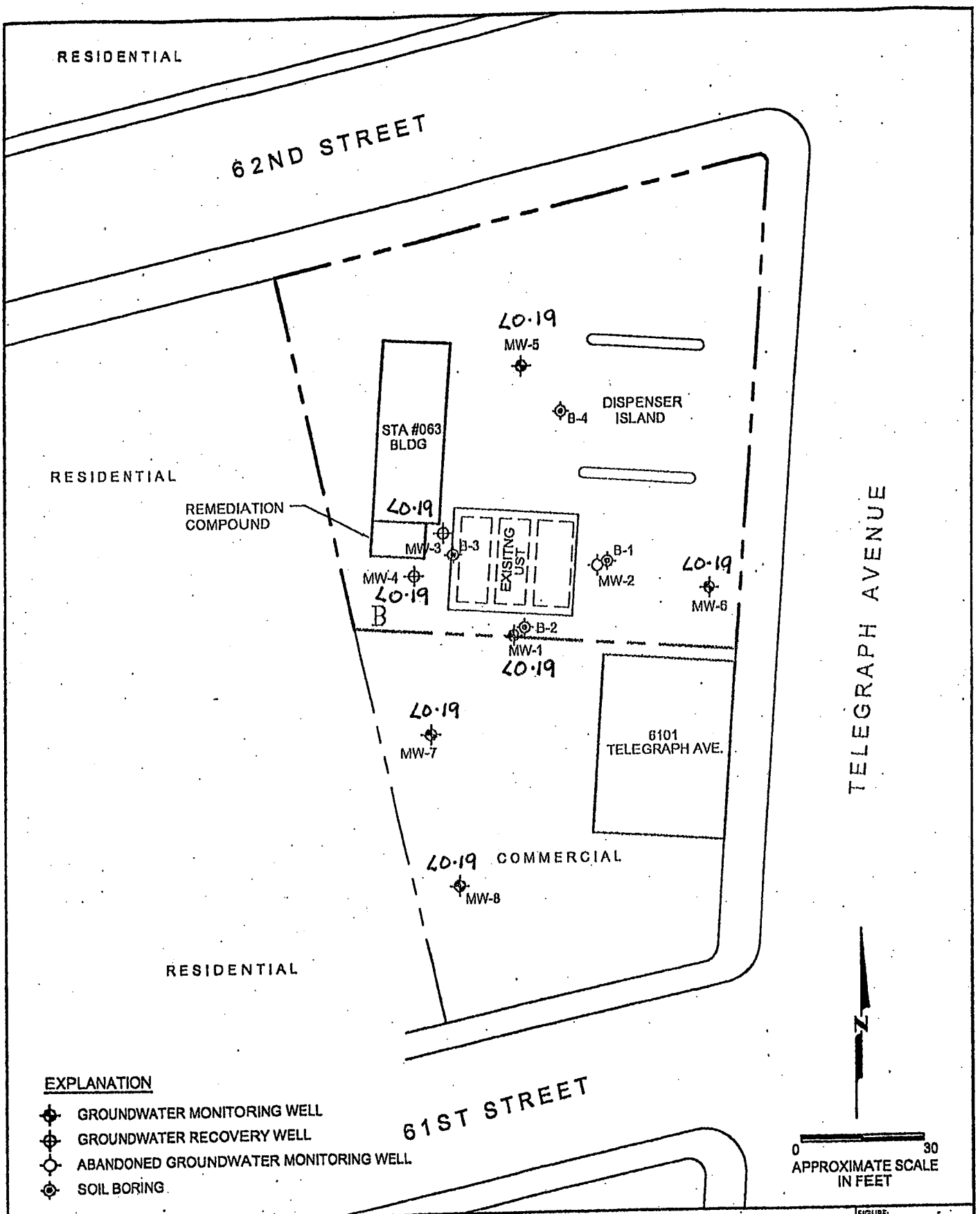
units in µg/L
Samples collected on 7-30-08

PROJECT NO.

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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



EXPLANATION

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

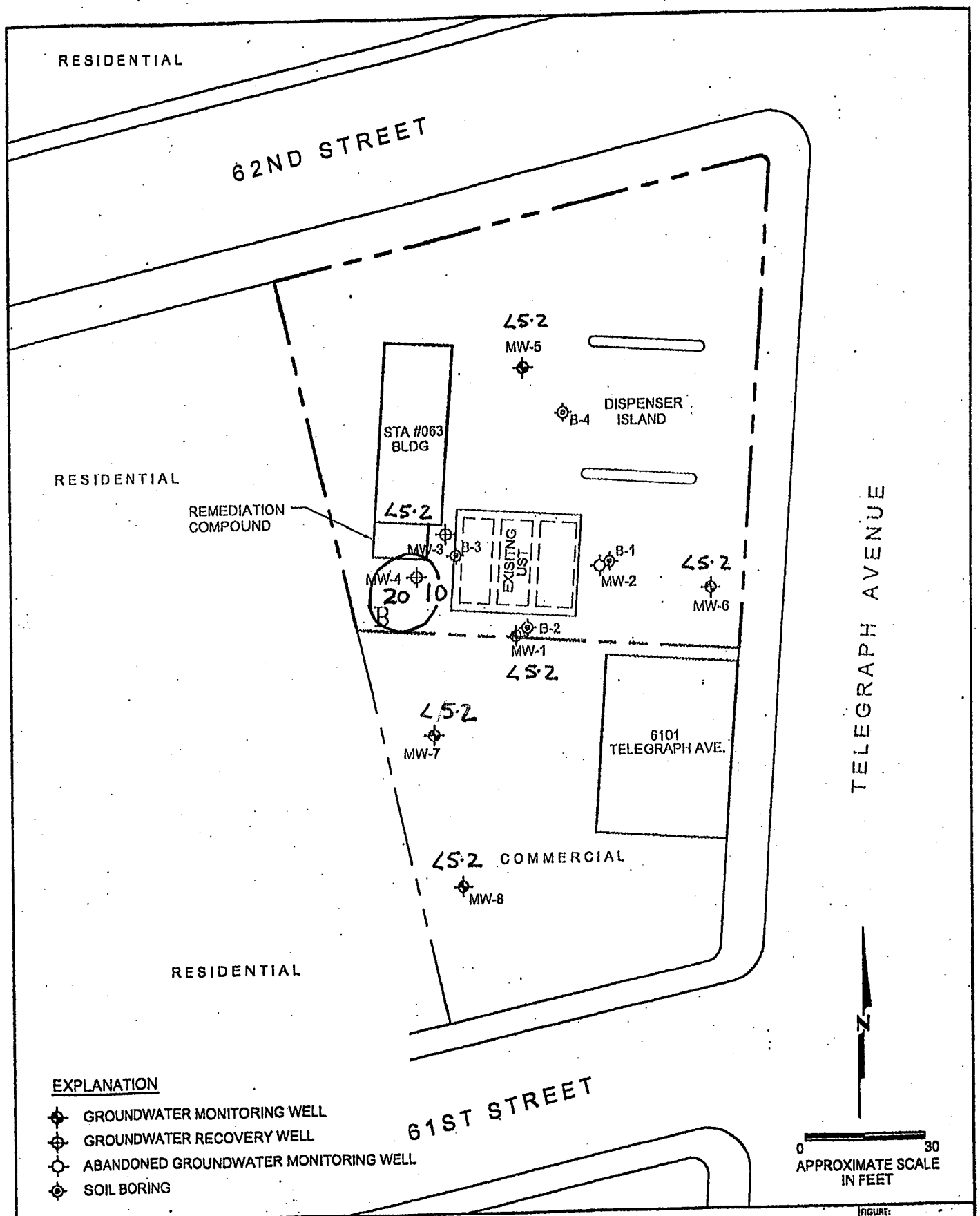
units in µg/L
Samples collected on 7-30-08

PROJECT NO. -

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 7-30-08

PROJECT NO. -

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

APPENDIX A

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT STATUS REPORT

SITE: THRIFTY OIL CO. #063
ADDRESS: 6125 TELEGRAPH AVE.
OAKLAND, CA.94609

DATE: 07.30.08

PERSONNEL: SERBAN.

	WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL) EST.	PURGE (GAL) ACT.	COMMENT
	QUARTERLY									
1	MW-1		15.04	28.94		14.90	2"	7	7	
2	MW-3		15.61	28.20		12.59	6"	55	55	
3	MW-4		16.54	29.07		12.53	2"	6	10	
4	MW-5		16.96	26.23		10.27	4"	20	20	
5	MW-6		13.36	26.20		12.84	4"	25	25	
6	MW-7		15.13	17.44		2.31	2"	1	5	OFFSITE
7	MW-8		13.50	18.26		4.76	2"	2	5	OFFSITE

FREE PRODUCT REMOVED: APPROX. _____ GALLONS

PURGE-WATER REMOVED: APPROX. _____ GALLONS

REMARKS: MONITORING WELLS AND TAKE WATER SAMPLES FROM 7 WELLS, PURGE WATER WAS COLLECT IN HOLDING TANK.

EXPLANATION:

REV: 4/6/2007

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

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA 94609

Well ID#: MW-4

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
Total Well Depth (ft):	29.07	Depth To Product (ft)	
Depth To Water (ft):	16.54	Product Thickness (ft)	
Water Column (ft):	12.53		

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 12.53 (water column) x 0.49 (multiplier) = 6

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:05	0	START PURGING	---	---	---	---	
12:07	2	2	72.4	5.83	1260	CLEAR	
12:09	2	2	72.6	5.81	1310	CLEAR	
12:11	2	2	72.4	5.76	1320	CLEAR	
12:13	2	2	72.4	5.86	1320	CLEAR	
12:16	2	2	72.3	5.83	1320	CLEAR	

DTW immed. after purge (ft): 16.61 | Actual purged volume (gal): 10 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [12.53 (Water Column)] x 0.20 + [16.54 (DTW Initial)] = 14.04 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	14:30 am / ~~pm~~			

Depth To Water Before Sampling (ft): 18.26

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA. 94609

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:	8:50
Total Well Depth (ft):	17.44
Depth To Water (ft):	15.13
Water Column (ft):	2.31

Well casing dia. (in): 2
Depth To Product (ft):
Product Thickness (ft):

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 2.31 (water column) x 0.49 (multiplier) = 1

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:50	0	START PURGING					
11:51	1	1	72.4	6.04	1310	CLEAR	
11:52	1	1	72.3	6.01	1270	CLEAR	
11:53	1	1	72.3	5.93	1220	CLEAR	
11:54	1	1	72.3	5.91	1270	CLEAR	
11:55	1	1	72.2	5.93	1260	CLEAR	

DTW immed. after purge (ft): 15.00 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [2.31 (Water Column)] x 0.20 + [15.13 (DTW Initial)] = 15.59 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = ____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	14:20 am / pm			

Depth To Water Before Sampling (ft): 16.02

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA 94609

Well ID#: MW-3

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:	8:40
Total Well Depth (ft):	28.20
Depth To Water (ft):	15.61
Water Column (ft):	12.59

Well casing dia. (in)	6
Depth To Product (ft)	
Product Thickness (ft)	

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

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 12.59 (water column) x 4.40 (multiplier) = 55

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:50	0	START PURGING	---	---	---	---	
11:01	11	11	72.3	5.86	1420	CLEAR	
11:12	11	11	72.1	5.83	1460	CLEAR	
11:23	11	11	71.9	5.92	1390	CLEAR	
11:34	11	11	72.3	5.91	1380	CLEAR	
11:45	11	11	72.3	5.91	1380	CLEAR	

DTW immed. after purge (ft): 15.53 | Actual purged volume (gal): 55 | Avg Purge Rate (gpm): 1.

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [12.59 (Water Column)] x 0.20 + [15.61 (DTW Initial)] = 18.12 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	14:00 am / pm			

Depth To Water Before Sampling (ft): 18.04

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA. 94609

Well ID#: MW-8

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:	8:30	Well casing dia. (in)	2
Total Well Depth (ft):	18.26	Depth To Product (ft)	
Depth To Water (ft):	13.50	Product Thickness (ft)	
Water Column (ft):	4.76		

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

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 4.76 (water column) x 0.49 (multiplier) = 2

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:35	0	START PURGING					
10:36	1	1	72.4	5.83	1160	CLEAR	
10:37	1	1	72.3	5.81	1140	CLEAR	
10:38	1	1	72.2	5.80	1130	CLEAR	
10:39	1	1	72.1	5.81	1130	CLEAR	
10:40	1	1	72.2	5.80	1130	CLEAR	

DTW immed. after purge (ft): 13.48 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [4.76 (Water Column)] x 0.20 + [13.50 (DTW initial)] = 14.45 ft

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

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	13:00 am / pm			

Depth To Water Before Sampling (ft): 14.06

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA. 94609

Well ID#: MW-6

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:	8:20	Well casing dia. (in)	4
Total Well Depth (ft):	26.20	Depth To Product (ft)	
Depth To Water (ft):	13.36	Product Thickness (ft)	
Water Column (ft):	12.84		

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)

Estimated Purge Volume (gal): 12.84 (water column) x 1.96 (multiplier) = 25

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:00	0	START PURGING					
10:05	5	5	72.4	6.06	1210	CLEAR	
10:10	5	5	72.6	6.01	1140	CLEAR	
10:15	5	5	72.3	5.93	1130	CLEAR	
10:20	5	5	72.2	5.91	1130	CLEAR	
10:25	5	5	72.3	5.91	1130	CLEAR	

DTW immed. after purge (ft): 13.30 | Actual purged volume (gal): 25 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [12.84 (Water Column)] x 0.20 + [13.36 (DTW initial)] = 15.92 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW initial)) x 0.20 + [ ] (DTW initial) = ____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	12:50 am / pm			

Depth To Water Before Sampling (ft): 15.06

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND, CA. 94609

Well ID#: MW-5

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:	8:10
Total Well Depth (ft):	26.23
Depth To Water (ft):	15.96
Water Column (ft):	10.27

Well casing dia. (in): 4
Depth To Product (ft):
Product Thickness (ft):

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 10.27 (water column) x 1.96 (multiplier) = 20

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:30	0	START PURGING	--	--	--	--	
9:35	5	5	72.3	5.72	1260	CLEAR	
9:40	5	5	72.4	5.59	1220	CLEAR	
9:45	5	5	72.6	5.63	1210	CLEAR	
9:50	5	5	72.4	5.63	1220	CLEAR	

DTW immed. after purge (ft): 15.93 | Actual purged volume (gal): 20 | Avg Purge Rate (gpm):

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [10.27 (Water Column)] x 0.20 + [15.96 (DTW Initial)] = 18.01 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	12:40 am / pm			

Depth To Water Before Sampling (ft): 17.42

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 07.30.08

Address: 6125 TELEGRAPH AVE, OAKLAND CA. 94609

Well ID#: MW-1

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:	8:00
Total Well Depth (ft):	28.94
Depth To Water (ft):	15.04
Water Column (ft):	14.90

Well casing dia. (in): 2
Depth To Product (ft):
Product Thickness (ft):

Multipliers for purge volume estimation:

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

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

Estimated Purge Volume (gal): 14.90 (water column) x 0.49 (multiplier) = 7

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

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:15	0	START PURGING	--	--	--	--	
9:17	2	2	72.3	6.04	1240	CLEAR	
9:19	2	2	72.0	5.93	1260	CLEAR	
9:21	2	2	72.6	5.86	1260	CLEAR	
9:23	2	2	72.4	5.80	1270	CLEAR	
9:25	2	2	72.2	5.80	1260	CLEAR	

DTW immed. after purge (ft): 16.01 | Actual purged volume (gal): 10 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [14.90 (Water Column)] x 0.20 + [15.04 (DTW Initial)] = 18.02 ft

☐ Max Drawdown (SD): 80% Recovery = ([ ] (DTW after purge) - [ ] (DTW Initial)) x 0.20 + [ ] (DTW Initial) = _____ ft

SAMPLING DATA

Date:	Time:	pH (if required):	D.O. (if required):	O.R.P. (if required):
07.30.08	12:30 am / pm			

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 215200
REPORTED 07/08/2008
RECEIVED 06/26/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
910831	TOC #063 Int-1
910832	TOC #063 Int-2
910833	TOC #063 Inlet
910834	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 910831 **Client Sample ID:** TOC #063 Int-1
Matrix: WATER **Date Sampled:** 06/25/2008 **Time Sampled:** 10:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	06/30/08 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	06/30/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/30/08 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	06/30/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/30/08 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	06/30/08 YL
Tertiary butyl alcohol (TBA)	ND	1	10	5.2	ug/L	06/30/08 YL
Toluene	ND	1	5	0.24	ug/L	06/30/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/30/08 YL
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	77				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 130
Surr3 - Toluene-d8	92				%	70 - 130
Surr4 - p-Bromofluorobenzene	107				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	6.6	ug/L	06/29/08 LT
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 #: 910832 **Client Sample ID:** TOC #063 Int-2
Matrix: WATER **Date Sampled:** 06/25/2008 **Time Sampled:** 10:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	06/30/08 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	06/30/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/30/08 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	06/30/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/30/08 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	06/30/08 YL
Tertiary butyl alcohol (TBA)	ND	1	10	5.2	ug/L	06/30/08 YL
Toluene	ND	1	5	0.24	ug/L	06/30/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/30/08 YL
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	76				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 130
Surr3 - Toluene-d8	93				%	70 - 130
Surr4 - p-Bromofluorobenzene	111				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	6.6	ug/L	06/29/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	86				%	60 - 140

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

Order #: 910833 **Client Sample ID:** TOC #063 Inlet
Matrix: WATER **Date Sampled:** 06/25/2008 **Time Sampled:** 10:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	54	1	1	0.18	ug/L	06/30/08 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	06/30/08 YL
Ethyl benzene	629	25	125.0	5.25	ug/L	06/30/08 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	06/30/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/30/08 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	06/30/08 YL
Tertiary butyl alcohol (TBA)	ND	1	10	5.2	ug/L	06/30/08 YL
Toluene	721	25	125.0	6.0	ug/L	06/30/08 YL
Xylenes, total	4320	25	125.0	11.25	ug/L	06/30/08 YL
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	73				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	93				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015B - Gasoline						
Gasoline	26600	10	500.0	66.0	ug/L	07/03/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	112				%	60 - 140

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

Order #: 910834 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	06/29/08 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	06/29/08 YL
Ethyl benzene	ND	1	5	0.21	ug/L	06/29/08 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	06/29/08 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/29/08 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	06/29/08 YL
Tertiary butyl alcohol (TBA)	ND	1	10	5.2	ug/L	06/29/08 YL
Toluene	ND	1	5	0.24	ug/L	06/29/08 YL
Xylenes, total	ND	1	5	0.45	ug/L	06/29/08 YL
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	75				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	92				%	70 - 130
Surr4 - p-Bromofluorobenzene	107				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	6.6	ug/L	06/29/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	86				%	60 - 140

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

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 8

Sample ID: *MS/MSD Water Sample* 214879-388
Date Prepared: June 29, 2008
Date Analyzed: June 29, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 214877, 214879, 214864, 215185, 215199, 215200

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	45.40	46.34	91	93	2	22	59 - 172
MTBE	0.00	50.0	54.96	54.57	110	109	1	24	62 - 137
Benzene	0.00	50.0	54.80	55.11	110	110	1	24	62 - 137
Trichloroethene	0.00	50.0	53.40	53.81	107	108	1	21	66 - 142
Toluene	0.00	50.0	53.64	55.23	107	110	3	21	59 - 139
Chlorobenzene	0.00	50.0	50.92	51.00	102	102	0	21	60 - 133

Sample ID: *LCS*
June 29, 2008 3:58 PM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	48.85	98	59 - 172
MTBE	50.0	54.48	109	62 - 137
Benzene	50.0	58.16	116	62 - 137
Trichloroethene	50.0	56.93	114	66 - 142
Toluene	50.0	57.29	115	59 - 139
Chlorobenzene	50.0	53.19	106	60 - 133

*=Outside QC limits due to high concentration in sample
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	75	75		96	95		98	70 - 135
1,2-Dichloroethane-d4	114	103		91	89		90	70 - 135
Toluene-d8	101	92		97	96		99	70 - 135
p-Bromofluorobenzene	111	107		105	101		103	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 8

Sample ID: *MS/MSD Water Sample* 215199-817
Date Prepared: June 30, 2008
Date Analyzed: June 30, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 215184, 215185, 215186, 215199, 215200, 214543, 214864

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	48.68	49.02	97	98	1	22	59 - 172
MTBE	0.00	50.0	57.64	58.40	115	117	1	24	62 - 137
Benzene	0.00	50.0	57.40	57.59	115	115	0	24	62 - 137
Trichloroethene	0.00	50.0	55.99	54.49	112	109	3	21	66 - 142
Toluene	0.00	50.0	55.56	54.40	111	109	2	21	59 - 139
Chlorobenzene	0.00	50.0	52.60	51.62	105	103	2	21	60 - 133

Sample ID: *LCS*
June 30, 2008 2:51 PM

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.49	105	59 - 172
MTBE	50.0	56.82	114	62 - 137
Benzene	50.0	59.18	118	62 - 137
Trichloroethene	50.0	57.62	115	66 - 142
Toluene	50.0	56.65	113	59 - 139
Chlorobenzene	50.0	53.77	108	60 - 133

*=Outside QC limits due to high concentration in sample
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	75	75		94	96		96	70 - 135
1,2-Dichloroethane-d4	101	106		91	92		92	70 - 135
Toluene-d8	95	95		96	95		95	70 - 135
p-Bromofluorobenzene	108	107		100	99		99	70 - 135

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: June 29, 2008

Analysis Date 6/29/08-6/30/08

Lab ID#'s in Batch: 215100, 215200, 215182, 214971, 215178

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	419	401	84	80	4

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	86
LCS	103
LCSD	102

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 3, 2008

Analysis Date July 3, 2008

Lab ID#'s in Batch: 215240 , 214374 , 215387 , 215185 , 215200 , 215428 .

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	446	423	89	85	5

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	74
LCS	83
LCSD	83

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: T. O. C
Date Received: 6/26
Project: _____
Sample(s) received in cooler: ~~Yes~~ No (Skip Section 2)

Section 2
Was the cooler packed with: ~~Ice~~ ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ ~~None~~ ___ Other _____
Cooler or box temperature: 3.0
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were custody seals present?			✓
If Yes – were they intact?			✓
Were all samples sealed in plastic bags?		✓	
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there head space in VOA vials?		✓	
Were the correct preservatives used?			✓
Were the samples scanned for presence of radioactivity?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

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

Section 4
Explanations/Comments

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

Completed By: _____ Date: 6/26/08

Chain of Custody Record

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

A.L. Job No. 215200 Page 1 of 1

Company	THRIFTY OIL CO.	Phone	(562) 921-3581
Project Manager	JEFF SURYAKUSUMA	Fax	(562) 921-7540
Project Name	SYSTEM WATER SAMPLING	Project #	063 V
Site Name and Address	6125 TELEGRAPH AVE, OAKLAND, CA. 94609		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH g (8015M)	BTEX (8021B)	OXYGENATES
1	INT-1		06.25.08	10:00	H_2O	4 - VOA	HCL	X	X	X
2	INT-2		06.25.08	10:10	H_2O	4 - VOA	HCL	X	X	X
3	INLET		06.25.08	10:20	H_2O	4 - VOA.	HCL	X	X	X
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Analysis Requested

Test Instructions & Comments

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	12	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1. Relinquished by Sampler:	2. Relinquished by	3. Relinquished by
Signature:	EMC		
Printed Name:	SURIBATA P.		
Date: / Time:	06.25.08 / 16:00	/	/
	1. Received By:	**2. Received By:**	**3. Received By:**
Signature:	G.S.O.	ADA RAMOS	C.W.H.
Printed Name:			
Date: / Time:	/	6/26 / 10:11	6.26.08 / 4:02

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

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 215985
REPORTED 07/22/2008
RECEIVED 07/10/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
914313	TOC #063 Int-1
914314	TOC #063 Int-2
914315	TOC #063 Inlet
914316	TOC #063 MW-3
914317	TOC #063 MW-4
914318	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 914313 **Client Sample ID:** TOC #063 Int-1
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 09:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	07/14/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	07/14/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/14/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	07/14/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	07/14/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	07/14/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	07/14/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	07/14/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	07/14/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	121				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/12/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	76				%	60 - 140

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

Order #: 914314 **Client Sample ID:** TOC #063 Int-2
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	07/14/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	07/14/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/14/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	07/14/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	07/14/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	07/14/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	07/14/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	07/14/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	07/14/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	92				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	120				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/12/08 LT
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 #: 914315 **Client Sample ID:** TOC #063 Inlet
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 09:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	103	10.0	10.0	1.8	ug/L	07/14/08 LZ
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	07/14/08 LZ
Ethyl benzene	188	10.0	50.0	2.1	ug/L	07/14/08 LZ
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	07/14/08 LZ
Methyl-tert-butylether (MTBE)	ND	10.0	10.0	1.9	ug/L	07/14/08 LZ
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	07/14/08 LZ
Tertiary butyl alcohol (TBA)	ND	10.0	100.0	52.0	ug/L	07/14/08 LZ
Toluene	655	10.0	50.0	2.4	ug/L	07/14/08 LZ
Xylenes, total	1040	10.0	50.0	4.5	ug/L	07/14/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	104				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	106				%	70 - 135
8015B - Gasoline						
Gasoline	6220	5.0	250.0	33.0	ug/L	07/14/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	126				%	60 - 140

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

Order #: 914316 **Client Sample ID:** TOC #063 MW-3
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 09:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	33	1.0	1	0.18	ug/L	07/14/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	07/14/08 LZ
Ethyl benzene	57	1.0	5	0.21	ug/L	07/14/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	07/14/08 LZ
Methyl-tert-butylether (MTBE)	1.7	1.0	1	0.19	ug/L	07/14/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	07/14/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	07/14/08 LZ
Toluene	251	1.0	5	0.24	ug/L	07/14/08 LZ
Xylenes, total	315	1.0	5	0.45	ug/L	07/14/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	104				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	2550	1.0	50	6.6	ug/L	07/12/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	100				%	60 - 140

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

Order #: 914317 **Client Sample ID:** TOC #063 MW-4
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 10:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	143	10.0	10.0	1.8	ug/L	07/19/08 LZ
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	07/19/08 LZ
Ethyl benzene	186	10.0	50.0	2.1	ug/L	07/19/08 LZ
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	07/19/08 LZ
Methyl-tert-butylether (MTBE)	ND	10.0	10.0	1.9	ug/L	07/19/08 LZ
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	07/19/08 LZ
Tertiary butyl alcohol (TBA)	ND	10.0	100.0	52.0	ug/L	07/19/08 LZ
Toluene	915	10.0	50.0	2.4	ug/L	07/19/08 LZ
Xylenes, total	847	10.0	50.0	4.5	ug/L	07/19/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	119				%	70 - 135
8015B - Gasoline						
Gasoline	4670	1.0	50	6.6	ug/L	07/12/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	120				%	60 - 140

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

Order #: 914318 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	07/14/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	07/14/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/14/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	07/14/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	07/14/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	07/14/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	07/14/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	07/14/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	07/14/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/12/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	73				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 12, 2008

Analysis Date July 12, 2008

Lab ID#'s in Batch: 215983, 215985

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	466	485	93	97	4

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	73
LCS	88
LCSD	91

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 18, 2008

Analysis Date 0718/08-07/19/08

Lab ID#'s in Batch: 215985, 216461, 216323, 216131, 216367, 216350

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	438	435	88	87	1

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	80
LCS	98
LCSD	101

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G15-LCS&LCSD

Matrix: WATER

Prep. Date: July 14, 2008

Analysis Date July 14, 2008

Lab ID#'s in Batch: 215985, 215919, 215989, 215983, 216008, 216108

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	553	556	111	111	1

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	112
LCS	123
LCSD	122

BFB = p-Bromofluorobenzene

SOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 216224-263-3
Date Prepared: July 18, 2008
Date Analyzed: July 21, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 216224, 215985, 216222, 216332, 216259, 216285

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	46.46	46.84	93	94	1	22	59 - 172
MTBE	9.50	50.0	61.11	59.89	103	101	2	24	62 - 137
Benzene	0.00	50.0	53.92	51.71	108	103	4	24	62 - 137
Trichloroethene	0.00	50.0	48.78	46.94	98	94	4	21	66 - 142
Toluene	0.00	50.0	50.25	49.16	100	98	2	21	59 - 139
Chlorobenzene	0.00	50.0	48.48	48.06	97	96	1	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	49.50	45.86	99	92	8	22	59 - 172
MTBE	50.0	53.90	48.57	108	97	10	24	62 - 137
Benzene	50.0	48.68	48.96	97	98	1	24	62 - 137
Trichloroethene	50.0	47.87	45.51	96	91	5	21	66 - 142
Toluene	50.0	50.42	48.84	101	98	3	21	59 - 139
Chlorobenzene	50.0	49.10	47.29	98	95	4	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	104	98		99	101		100	100	70 - 135
1,2-Dichloroethane-d4	129	116		120	123		124	119	70 - 135
Toluene-d8	102	104		104	101		107	103	70 - 135
p-Bromofluorobenzene	111	118		109	110		105	109	70 - 135

ASSOCIATED LABORATORIES

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

Sample ID: *MS/MSD Water Sample* 215985-313
Date Prepared: July 14, 2008
Date Analyzed: July 14, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 215433, 215985, 214755, 215984, 216108

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	54.52	54.30	109	109	0	22	59 - 172
MTBE	0.00	50.0	58.47	57.26	117	115	2	24	62 - 137
Benzene	0.00	50.0	57.12	57.41	114	115	1	24	62 - 137
Trichloroethene	0.00	50.0	57.64	56.87	115	114	1	21	66 - 142
Toluene	0.00	50.0	49.36	49.12	99	98	0	21	59 - 139
Chlorobenzene	0.00	50.0	48.88	48.19	98	96	1	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	56.30	53.98	113	108	4	22	59 - 172
MTBE	50.0	57.85	57.89	116	116	0	24	62 - 137
Benzene	50.0	59.50	58.47	119	117	2	24	62 - 137
Trichloroethene	50.0	59.86	58.11	120	116	3	21	66 - 142
Toluene	50.0	52.02	50.70	104	101	3	21	59 - 139
Chlorobenzene	50.0	50.38	49.59	101	99	2	21	60 - 133

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	97	92		93	95		96	97	70 - 135
1,2-Dichloroethane-d4	116	110		90	91		92	90	70 - 135
Toluene-d8	102	99		99	98		99	99	70 - 135
p-Bromofluorobenzene	100	99		98	96		98	96	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: T.O.C. Project: _____
Date Received: 7-10-08
Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.6°C

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

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were custody seals present?			✓
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there head space in VOA vials?		✓	
Were the correct preservatives used?			✓
Were the samples scanned for presence of radioactivity?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

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

Section 4
Explanations/Comments

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

Completed By: _____ Date: 7-10-08

Chain of Custody Record

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

A.L. Job No. 115485 ✓ Page 1 of 1

Company: THRIFTY OIL CO. Phone: 562 (921-3581)
Project Manager: JEFF SUDYAKUSUMA Fax: 562 (921-7510)
Project Name: MONTHLY GW WATER SAMPLING Project #: 063 ✓
Site Name and Address: 6125 TELEGRAPH AVE, OAKLAND CA. 94609

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-D (8015M)	BTEX (8260B)	OXYGENATES	Test Instructions & Comments
1	INT.-1		07.09.09	9:20	H_2O	4-VOA	HCL	X	X	X	
2	INT.-2			9:30				X	X	X	
3	INLET			9:40				X	X	X	
4	MW-3			9:50				X	X	X	
5	MW-4			10:00				X	X	X	
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	20	Properly Cooled (Y) / N / NA	
Custody Seals Y / N (NA)		Samples Intact (Y) / N / NA	
Received in Good Condition (Y) / N		Samples Accepted (Y) / N	

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:	EMC		
Signature:			
Printed Name:	JEROAK P		
Date: 07.09.09 Time: 15:30			
Received By:	G.S.O.	ASL	
Signature:			
Printed Name:		Juan Montoya	
Date:	Time:	7-10-09 8:13:00	

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

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 217243
REPORTED 08/05/2008
RECEIVED 07/31/2008

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.

Order No.	Client Sample Identification
919577	TOC #063 MW-4
919578	TOC #063 MW-7
919579	TOC #063 MW-3
919580	TOC #063 MW-8
919581	TOC #063 MW-6
919582	TOC #063 MW-5
919583	TOC #063 MW-1
919584	TOC #063 Trip Blank
919585	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 919577 **Client Sample ID:** TOC #063 MW-4
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	28	1.0	1	0.18	ug/L	08/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/01/08 LZ
Ethyl benzene	26	1.0	5	0.21	ug/L	08/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/01/08 LZ
Tertiary butyl alcohol (TBA)	20	1.0	10	5.2	ug/L	08/01/08 LZ
Toluene	105	1.0	5	0.24	ug/L	08/01/08 LZ
Xylenes, total	150	1.0	5	0.45	ug/L	08/01/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	104				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	125				%	70 - 135
8015B - Gasoline						
Gasoline	1280	1.0	50	6.6	ug/L	07/31/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	98				%	60 - 140

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

Order #: 919578 **Client Sample ID:** TOC #063 MW-7
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 14:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/01/08 LZ
Xylenes, total	22	1.0	5	0.45	ug/L	08/01/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	107				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	181	1.0	50	6.6	ug/L	07/31/08 LT
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 #: 919579 **Client Sample ID:** TOC #063 MW-3
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 14:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/01/08 LZ
Xylenes, total	1.9J	1.0	5	0.45	ug/L	08/01/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/31/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	85				%	60 - 140

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

Order #: 919580 **Client Sample ID:** TOC #063 MW-8
Matrix: WATER **Date Sampled:** 07/30/2008 **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	08/02/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/02/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/02/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/02/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/02/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/02/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/02/08 LZ
Toluene	1.3J	1.0	5	0.24	ug/L	08/02/08 LZ
Xylenes, total	1.1J	1.0	5	0.45	ug/L	08/02/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	107				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
Surr3 - Toluene-d8	98				%	70 - 135
Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/31/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	84				%	60 - 140

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

Order #: 919581 **Client Sample ID:** TOC #063 MW-6
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 12:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/02/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/02/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/02/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/02/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/02/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/02/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/02/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/02/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	08/02/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	111				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/01/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	81				%	60 - 140

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

Order #: 919582 **Client Sample ID:** TOC #063 MW-5
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 12:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/02/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/02/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/02/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/02/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/02/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/02/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/02/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/02/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	08/02/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	109				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/01/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	80				%	60 - 140

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

Order #: 919583 **Client Sample ID:** TOC #063 MW-1
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 12:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/02/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/02/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/02/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/02/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/02/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/02/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/02/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/02/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	08/02/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	109				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	96				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/01/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	81				%	60 - 140

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

Order #: 919584 **Client Sample ID:** TOC #063 Trip Blank
Matrix: WATER **Date Sampled:** 07/30/2008 **Time Sampled:** 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/04/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/04/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/04/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	08/04/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	110				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/31/08 LT
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 #: 919585 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	08/01/08 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/01/08 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/01/08 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/01/08 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/01/08 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/01/08 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/01/08 LZ
Toluene	ND	1.0	5	0.24	ug/L	08/01/08 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	08/01/08 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	105				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 135
Surr3 - Toluene-d8	103				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/31/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	81				%	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* 217352-943
Date Prepared: August 4, 2008
Date Analyzed: August 4, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 217243, 217330, 217291, 217245, 217056, 217352, 217401, 217405, 217403, 217398, 217399, 217186

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	47.12	44.95	94	90	5	22	59 - 172
MTBE	0.00	50.0	54.84	52.17	110	104	5	24	62 - 137
Benzene	0.00	50.0	58.09	55.41	116	111	5	24	62 - 137
Trichloroethene	0.00	50.0	55.05	54.37	110	109	1	21	66 - 142
Toluene	0.00	50.0	48.59	47.65	97	95	2	21	59 - 139
Chlorobenzene	0.00	50.0	49.20	46.99	98	94	5	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	45.85	46.85	92	94	2	22	59 - 172
MTBE	50.0	54.32	50.07	109	100	8	24	62 - 137
Benzene	50.0	59.68	56.57	119	113	5	24	62 - 137
Trichloroethene	50.0	56.36	55.26	113	111	2	21	66 - 142
Toluene	50.0	49.99	50.57	100	101	1	21	59 - 139
Chlorobenzene	50.0	48.58	49.44	97	99	2	21	60 - 133

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	105	116		92	91		92	93	70 - 135
1,2-Dichloroethane-d4	118	114		93	95		92	86	70 - 135
Toluene-d8	97	101		97	95		96	99	70 - 135
p-Bromofluorobenzene	95	97		94	97		100	96	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 GCMS # 4

Sample ID: *LCS / LCSD Water Sample*
Date Prepared: August 2, 2008
Date Analyzed: August 3, 2008
Sample Matrix: Water
Units: µg/L
Lab ID#'s in Batch: 217330, 217243, 216964, 217291, 217245

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	57.21	61.14	114	122	7	22	59 - 172
MTBE	50.0	47.40	46.48	95	93	2	24	62 - 137
Benzene	50.0	52.98	55.14	106	110	4	24	62 - 137
Trichloroethene	50.0	54.43	56.49	109	113	4	21	66 - 142
Toluene	50.0	53.62	54.26	107	109	1	21	59 - 139
Chlorobenzene	50.0	53.28	52.67	107	105	1	21	60 - 133

Surrogate Recovery

Compound	MB1 % Rec	MB 2 % Rec		LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	113	107		105	110	70 - 135
1,2-Dichloroethane-d4	111	106		108	104	70 - 135
Toluene-d8	99	100		98	96	70 - 135
p-Bromofluorobenzene	102	97		99	99	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *MS/MSD Water Sample* 217243-577
Date Prepared: August 1, 2008
Date Analyzed: August 1, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 217243, 217114, 217184, 217056

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	35.19	36.27	70	73	3	22	59 - 172
MTBE	0.00	50.0	49.17	48.30	98	97	2	24	62 - 137
Benzene	0.00	50.0	75.13	74.18	150	148	1	24	62 - 137
Trichloroethene	0.00	50.0	47.82	45.98	96	92	4	21	66 - 142
Toluene	0.00	50.0	172.66	163.58	345	327	5	21	59 - 139
Chlorobenzene	0.00	50.0	48.53	47.12	97	94	3	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	100.0	77.04	77	59 - 172
MTBE	100.0	84.18	84	62 - 137
Benzene	100.0	89.18	89	62 - 137
Trichloroethene	100.0	90.52	91	66 - 142
Toluene	100.0	86.75	87	59 - 139
Chlorobenzene	100.0	87.79	88	60 - 133

*=Outside QC limits due to high concentration in sample

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	105	110		97	102		100	70 - 135
1,2-Dichloroethane-d4	112	113		99	100		99	70 - 135
Toluene-d8	103	102		104	102		102	70 - 135
p-Bromofluorobenzene	105	98		125	102		98	70 - 135

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 31, 2008

Analysis Date 07/31/08-08/01/08

Lab ID#'s in Batch: 217243, 217187, 217218 , 217183 .

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	489	509	98	102	4

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	81
LCS	96
LCSD	99

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TRUTH
Date Received: 7/31
Project: _____
Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2
Was the cooler packed with: (X) Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 3.4
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	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 head space in VOA vials?		X	
Were the correct preservatives used?			X
Were the samples scanned for presence of radioactivity?			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: _____ Date: 7/31/08

Chain of Custody Record

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

A.L. Job No. 217243 V Page 1 of 1

Company	THRIFTY OIL CO.	Phone	(562) 921-3571
Project Manager	JEFF SUDYAKUSUMA	Fax	(562) 921-7510
Project Name	R.W.S.	Project #	063
Site Name and Address	6125 TELEGRAPH AVE, OAKLAND CA. 94609		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-g (8015M)	BTEX (8260B)	10 OXYGENATES	Test Instructions & Comments
1	MW-4		07.30.08	14:30	H_2O	4-VOA	HCL	X	X	X	T0600101366
2	MW-7			14:20				X	X	X	
3	MW-3			14:00				X	X	X	
4	MW-8			13:00				X	X	X	
5	MW-6			12:50				X	X	X	
6	MW-5			12:40				X	X	X	
7	MW-1			12:30				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

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:	EMC.		
Signature:			
Printed Name:	STEPHANIE P.		
Date:	07.30.08 Time: 16:30	Date: Time:	Date: Time:
Received By:	G.S.O.		
Signature:			
Printed Name:	RAMOS		
Date:	7/31 Time: 8:48	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager

APPENDIX C

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: 07-03-2008

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

FLOW METER READING: 2221620

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: 3.1

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:

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: 07.09.08

OBSERVATIONS AND COMMENTS: CHECK BOLT, OIL, CHECK DRUMS AND HOSES FOR LEAK AND CRACK, TAKE WATER SAMPLES FROM SYSTEM,

FLOW METER READING: 2230580

SAMPLES OBTAINED: YES

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: 3.0

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

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S SIGNATURE: Sdoquos

(063)

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

NAME OF INSPECTOR: SERBAN G-

DATE OF INSPECTION: 07.18.2008

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK PUMP IN MW-3, SOMEBODY SHUT DOWN FROM ELECTRIC BOX, SYSTEM WAS SHUT DOWN WHEN I CAME HERE

FLOW METER READING: 223 11400

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: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM START UP / SHUTDOWN REPORT

SITE: TOC #63
ADDR: 6125 TELEGRAPH AVE
OAKLAND 94609
DATE: 07.25.08
PERSON: SEBASTIAN

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	FP Recovery				2237110	
O	Other:					

UTILITIES:
Electrical Meter: N/A
Nat. gas Meter: N/A
Propane Tank Level: N/A

OTHER NOTES:
SHUT DOWN FOR QWS

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: SERBAK P.

DATE OF INSPECTION: 07-25-2008

OBSERVATIONS AND COMMENTS: SHUT DOWN FOR QWS -

FLOW METER READING: 2237110

SAMPLES OBTAINED: _____

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

INSPECTOR'S SIGNATURE: _____

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 063
ADDR: 6125 TELEGRAPH
OAKLAND 94609
DATE: 08-04-2008
PERSON: SEBASTIAN

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	FP Recovery				2237120	
O	Other:					

UTILITIES:
Electrical Meter:
Nat. gas Meter:
Propane Tank Level:

OTHER NOTES:
RESTART SYSTEM AFTER Q.M.S.

ALWAYS OBSERVE SAFETY PROCEDURES!

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: 08-04-2008

OBSERVATIONS AND COMMENTS: RESTART SYSTEM AFTER G.W.I. CHANGE OIL, CHECK BELT, CHECK MOTOR AND DRUMS FOR LEAK,

FLOW METER READING: 2237120

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: 1.1

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: SERBAN P.

DATE OF INSPECTION: 08.08.2008

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

FLOW METER READING: 2240350

SAMPLES OBTAINED: INLET, INT. 1 INT-2

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: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAK P.

DATE OF INSPECTION: 08.22-2007

OBSERVATIONS AND COMMENTS: DRIED COMPRESSOR TANK, CHECK OIL CHECK TRANSFER PUMP, CHECK PUMP IN DAILY CHECK FILTER IN FILTER/REGULATOR

FLOW METER READING: 2249810

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 40

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: 0.8

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAK P.

DATE OF INSPECTION: 08.29.2008

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

FLOW METER READING: 2255420

SAMPLES OBTAINED:

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: 0.9

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: 09-04-2008

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

FLOW METER READING: 226 1960

SAMPLES OBTAINED: H, I

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: 1.1

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: SERBAN D.

DATE OF INSPECTION: 09-12-2008

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL, BELT, DRAIN WATER FROM FILTER REGULATOR CHECK TRANSFER PUMP, CHECK PUMP IN MW-4,

FLOW METER READING: 2264120

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 40

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 3.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.0

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: SERBAK P.

DATE OF INSPECTION: 09-18-2008

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

FLOW METER READING: 2270870

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: 3.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 2.0

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: SERBAN P.

DATE OF INSPECTION: 04-24-2008

OBSERVATIONS AND COMMENTS: TAKE SPLIT WATER SAMPLING FROM SYSTEM

FLOW METER READING: 2270960

SAMPLES OBTAINED: YES (SPLIT SAMPLE)

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

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 220464
REPORTED 10/01/2008
RECEIVED 09/25/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
933364	TOC #063 Outlet Split
933365	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 933364 **Client Sample ID:** TOC #063 Outlet Split
Matrix: WATER **Date Sampled:** 09/24/2008 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	09/30/08 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/30/08 RP
Toluene	ND	1.0	5	0.24	ug/L	09/30/08 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/30/08 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	119				%	70 - 135
Surr3 - Toluene-d8	115				%	70 - 135
Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/26/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	82				%	60 - 140

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

Order #: 933365 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	09/30/08 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/30/08 RP
Toluene	ND	1.0	5	0.24	ug/L	09/30/08 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/30/08 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	92				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 135
Surr3 - Toluene-d8	115				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/26/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	76				%	60 - 140

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

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: September 26, 2008

Analysis Date September 26, 2008

Lab ID#'s in Batch: 220441, 220464, 220436 , 220430 , 220358 , 220525 , 220469 .

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	430	415	86	83	4

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	76
LCS	79
LCSD	79

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 220695-206
Date Prepared: September 30, 2008
Date Analyzed: September 30, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 220592, 220589, 220464, 220695

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	54.50	55.80	109	112	2	22	59 - 172
MTBE	0.00	50.0	46.90	46.50	94	93	1	24	62 - 137
Benzene	0.00	50.0	46.00	46.10	92	92	0	24	62 - 137
Trichloroethene	0.00	50.0	52.40	53.00	105	106	1	21	66 - 142
Toluene	0.00	50.0	48.20	48.90	96	98	1	21	59 - 139
Chlorobenzene	0.00	50.0	48.70	48.20	97	96	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	57.00	114	59 - 172
MTBE	50.0	46.70	93	62 - 137
Benzene	50.0	45.30	91	62 - 137
Trichloroethene	50.0	49.70	99	66 - 142
Toluene	50.0	46.90	94	59 - 139
Chlorobenzene	50.0	45.10	90	60 - 133

*=Outside QC limits due to high concentration in sample

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	92	98		94	95		97	70 - 135
1,2-Dichloroethane-d4	116	113		111	111		112	70 - 135
Toluene-d8	115	114		106	109		110	70 - 135
p-Bromofluorobenzene	99	98		100	97		101	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC Project: _____
Date Received: 9-25-08
Sample(s) received in cooler: ~~Yes~~ No (Skip Section 2)

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.2

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

Section 3	YES	NO	N/A
Was a COC received?	X		
Were custody seals present?		X	
If Yes – were they intact?			
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 head space in VOA vials?	X		
Were the correct preservatives used?	X		
Were the samples scanned for presence of radioactivity?			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: M. Eckert Date: 9-25-08

Chain of Custody Record

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

A.L. Job No. 720464

Page 1 of 1

Company	THRIFTY OIL CO.	Phone	(562) 921-3581
Project Manager	JEFF DURYEA/DUMA	Fax	(562) 921-7510
Project Name	SYSTEM SAMPLING-SPLIT	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA.		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-g (8015M)	Analysis Requested: BTEX	Test Instructions & Comments
1	OUTLET SPLIT		04.24.08	9:00	H_2O	3-VOA	HCL	X	X	GRAB SAMPLE
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☑ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:	EMC	Relinquished by	Relinquished by
Signature:		Signature:	Signature:
Printed Name:	STEVEN P	Printed Name:	Printed Name:
Date: 04.24.08 Time:		Date: Time:	Date: Time:
Received By:	G.S.O.	Received By:	Received By:
Signature:		Signature: M. Eckert	Signature:
Printed Name:		Printed Name: M. ECKERT	Printed Name:
Date: Time:		Date: 4-25-08 Time: 1023	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

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 216105
REPORTED 07/21/2008
RECEIVED 07/10/2008

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.	Client Sample Identification
914766	TOC #063 Outlet PSP1
914767	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.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 914766 **Client Sample ID:** TOC #063 Outlet PSP1
Matrix: WATER **Date Sampled:** 07/09/2008 **Time Sampled:** 09:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	07/15/08 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/15/08 RP
Toluene	ND	1.0	5	0.24	ug/L	07/15/08 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	07/15/08 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 135
Surr3 - Toluene-d8	105				%	70 - 135
Surr4 - p-Bromofluorobenzene	111				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/14/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	86				%	60 - 140

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

Order #: 914767 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER **Time Sampled:** :

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1.0	1	0.18	ug/L	07/15/08 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	07/15/08 RP
Toluene	ND	1.0	5	0.24	ug/L	07/15/08 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	07/15/08 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	98				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	115				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	114				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	07/14/08 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	70				%	60 - 140

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

SSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 216017-430-2
Date Prepared: July 14, 2008
Date Analyzed: July 15, 2008
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 216023, 215993, 216017, 216007, 216009, 215995, 215896, 215886, 216105

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	52.13	50.65	104	101	3	22	59 - 172
MTBE	0.00	50.0	47.33	46.36	95	93	2	24	62 - 137
Benzene	0.00	50.0	45.53	44.70	91	89	2	24	62 - 137
Trichloroethene	0.00	50.0	48.97	47.22	98	94	4	21	66 - 142
Toluene	0.00	50.0	47.73	45.67	95	91	4	21	59 - 139
Chlorobenzene	0.00	50.0	46.34	43.68	93	87	6	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	50.05	47.35	100	95	6	22	59 - 172
MTBE	50.0	50.40	46.76	101	94	7	24	62 - 137
Benzene	50.0	47.18	47.17	94	94	0	24	62 - 137
Trichloroethene	50.0	44.90	45.52	90	91	1	21	66 - 142
Toluene	50.0	48.03	49.54	96	99	3	21	59 - 139
Chlorobenzene	50.0	47.82	47.91	96	96	0	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	94	98		106	107		101	102	70 - 135
1,2-Dichloroethane-d4	116	115		124	124		121	119	70 - 135
Toluene-d8	102	104		104	105		104	108	70 - 135
p-Bromofluorobenzene	114	114		108	109		105	106	70 - 135

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 14, 2008

Analysis Date July 14, 2008

Lab ID#'s in Batch: 215984, 215896, 215886, 215844, 216012, 216104, 216105

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	545	540	109	108	1

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	70
LCS	85
LCSD	86

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: July 16, 2008

Analysis Date 07/16/08-07/17/08

Lab ID#'s in Batch: 216130, 216252, 216227, 216132, 216105

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	451	455	90	91	1

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	77
LCS	93
LCSD	93

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: T.O.C. Project: _____
Date Received: 7-10-08
Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.6°C

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

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were custody seals present?			✓
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there head space in VOA vials?		✓	
Were the correct preservatives used?			✓
Were the samples scanned for presence of radioactivity?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

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

Section 4
Explanations/Comments

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

Completed By: _____ Date: 7-10-08

Chain of Custody Record

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

2/16/05

Company	THRIFTY OIL CO.	Phone	562(921-3581)
Project Manager	JERRY SURYAKUSUMA	Fax	562(921-7546)
Project Name	M + g. WATER SAMPLING	Project #	063
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA. 94609		

A.L. Job No.

Page 1 of 1

Analysis Requested: TPH-g (8015M); BTEX (8260B)

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-g (8015M)	BTEX (8260B)								Test Instructions & Comments
1	OUTLET P3P1		07.09.08	9:10	H2O	4-VOA	HCL	X	X								GRAB SAMPLE
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	4	Properly Cooled (Y) / N / NA	
Custody Seals Y / N / (NA)		Samples Intact (Y) / N / NA	
Received in Good Condition (Y) / N		Samples Accepted (Y) / N	

Turn Around Time

☑ **Normal** ☐ **Rush** ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

1.	2.	3.
Relinquished by Sampler: EMC	Relinquished by	Relinquished by
Signature: [signature]	Signature:	Signature:
Printed Name: SERBAND P	Printed Name:	Printed Name:
Date: 07.09.08 Time: 15:30	Date: Time:	Date: Time:
Received By: G.J.O.	Received By: ASL	Received By:
Signature:	Signature: [signature]	Signature:
Printed Name:	Printed Name: Juan Montoya	Printed Name:
Date: Time:	Date: 7-10-08 Time: 13:00	Date: Time: