THRIFTY OIL CO.

January 13, 2010

O.10305

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 # **4897797942**

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
Second Semester 2009, Status Report

Dear Mr. Plunkett:

Presented herein is the Second Semester 2009, 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 semi-annual groundwater-monitoring program and ongoing remediation conducted during the Second Semester 2009. Thrifty has retained the services of Earth Management Company (EMC) to conduct semi-annual monitoring and sampling, and remediation system operation and maintenance activities at this site.

I declare, under penalty of perjury, that the information and/or recommendations contained in this document are true and correct to the best of my knowledge.

Should you have any questions regarding this report, please contact Simon Tregurtha (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. John Skance
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
Second Semester 2009
Reporting Period: 07/01/2009 to 12/31/2009

Site Informati

Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	**4897797942**
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:	December 14, 2009
Date(s) sampled:	December 14, 2009
Groundwater wells gauged:	7
Groundwater wells sampled:	7
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Existing groundwater treatment system
Groundwater wells with free product:	0
Free product thickness (feet):	NA
Free product bailouts other than sampling event:	NA
Treatment / disposal method/free product bailouts:	NA

Site Hydrogeology (based on December 14, 2009 data):

Depth to groundwater (feet bgs):	12.42 to 16.53
Groundwater elevation (feet above mean sea level):	133.09 to 135.83
Groundwater gradient and flow direction:	Northwest at approximately 0.0444 ft./ft.
Consistent with previous reporting period:	No

Groundwater Conditions (based on December 14, 2009 data):

TPHg concentration (ug/L):	ND<6.6 to 65,600
Benzene concentration (ug/L):	ND<0.18 to 384
Toluene concentration (ug/L):	ND<0.24 to 3,610
Ethyl benzene concentration (ug/L):	ND<0.21 to 1,420

Total Xylenes concentration (ug/L):	ND<0.45 to 9,340
MTBE concentration (ug/L):	ND<0.19 to ND<19.0
DIPE concentration (ug/L):	ND<0.20 to ND <20.0
ETBE concentration (ug/L):	ND<0.23 to ND <23
TAME concentration (ug/L):	ND<0.19 to ND <19.0
TBA concentration (ug/L):	ND<5.2 to 25

Remediation Activity (1) :

Activity:	Soil excavation during UST removal
When Occurred:	February and March 1998
Hydrocarbon impacted soil removed (tons)	977.22

Remediation Activity (2):

System type:	GWPT
System start-up:	4/8/1991
GW discharge this semester (gal.):	20,140 (05/29/09 to 12/28/09)
Total GW discharge (gal.):	3,305,449 (through December 28, 2009)

Total Remediation Achievements through December 28, 2009

Total gallons of groundwater removed (gals):	3,305,449
Total hydrocarbon impacted soil removed (tons)	977.22

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a semi-annual basis. Groundwater monitoring well locations are presented in **Figure 1.** A groundwater elevation contour map based on the December 14, 2009, groundwater monitoring data is presented in **Figure 2.** The groundwater flow direction is to the west-northwest at an approximate gradient of 0.0444 feet/foot.

Semi-Annual 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 December 14, 2009. 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 the **Summary Table**, **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**.

Laboratory results for the groundwater samples collected on December 14, 2009 indicate that the highest concentrations of TPHg and benzene were detected in well MW-4 at 65,600 micrograms per liter (µg/L) and 384 µg/L, respectively. TBA was detected in only one well, MW-3 at 25 µg/L. MTBE and all other

oxygenated compounds were not detected at or above laboratory detection limits in any of the wells.

TPHg, benzene, MTBE, and TBA concentration results for the December 14, 2009 sample results are presented in **Figures 3, 4, 5**, and **6,** respectively.

In general, Second Semester 2009 concentrations in wells MW-3 and MW-4 increased significantly when compared to Second Quarter 2009 laboratory results. The increased concentrations could have been due to dissolved hydrocarbons being drawn toward these wells during operation of the groundwater treatment system (wells MW-3 and MW-4 are the system extraction wells). The increased concentrations noted in well MW-7 (when compared to the Second Quarter 2009 results) may be due to the slightly dropping in groundwater table intercepting residual contamination in subsurface soils. Based upon the results of the First Semester 2010 sampling event Thrifty will further evaluate the groundwater conditions in MW-7.

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.** Copies of the Field Status Reports for groundwater remediation system are presented in **Appendix C**, and copies of the laboratory analytical reports are contained in **Appendix D**. During the current reporting period (from May 29 through December 28, 2009), the groundwater treatment system processed approximately 20,140 gallons of groundwater and has treated approximately 3,305,449 gallons of groundwater since start-up (April 1991). The system was upgraded in the Second Quarter 2005, when a pump was replaced in well MW-3 and MW-4 was added to the extraction well array.

Other Activities

According to the *Underground Storage Tank Removal Report* prepared by Pacific Environmental Group, Inc. and dated August 31, 1998, 977.22 tons of hydrocarbon impacted soil was removed from the site during underground removal activities completed in February and March 1998. The soils were transported to TPS Technologies, Inc. located in Adelanto, California for final disposal.

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.

In an effort to reduce 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). The RAP proposed performing a five consecutive day (24-hours/day) multi-phase extraction (MPE) event to reduce the hydrocarbon concentrations beneath the site. As an alternative to the HVDPE event proposed in the Second Quarter 2008 Status Report, the RAP proposed to utilize the existing groundwater treatment system in combination with a mobile soil vapor extraction (SVE) unit to facilitate the MPE event. The proposed MPE event would be as technically effective as the HVDPE and much more cost-effective by utilizing the existing system for treatment and discharge of groundwater to the sewer (rather than incurring Baker Tank and offsite disposal costs).

In a letter dated December 29, 2008 (the Letter) the Alameda County Health Care Services (ACHCS) indicated that they would not approve the RAP until several outstanding issues have been addressed, including delineating the downgradient extent of the contamination plume and evaluating the associated human health risks.

On February 4, 2009, Thrifty submitted a Response Letter that addressed several statements and comments included in Item 4 of the Technical Comments Section of the December 29, 2008 ACHCS Letter. The Response Letter included clarification of statements made by both Thrifty and the ACHCS regarding peak concentrations detected in the influent stream of the groundwater extraction system.

On February 18, 2009, Thrifty submitted an *Additional Site Assessment Workplan* (ASAW). The Workplan was also prepared in response to the December 29, 2008 ACHCS Letter, which requested that Thrifty propose a scope of work to: (1) evaluate the lateral and vertical extent of the source area soil contamination; (2) evaluate the lateral and vertical extent of the dissolved phase plume downgradient of the site; (3) collect soil vapor samples to assess the potential risk to on-site and offsite receptors. To comply with the directives in the Letter, the ASAW proposed collecting four soil vapor samples (SV-1 through SV-4) at approximately 3-feet below ground surface (bgs), advancing four soil borings (SB-1 through SB-4) to approximately 30-feet bgs, and installing one offsite groundwater monitoring well (MW-9) to approximately 30-feet bgs.

Activities Planned for First Semester 2010

The following activities are planned for next reporting period (First Semester 2010):

- Continue semi-annual groundwater monitoring, sampling; and reporting;
- Continue operations of the groundwater remediation system;
- Upon your approval, Thrifty will implement the September 2, 2008 RAP; and
- Upon your approval, Thrifty will implement the February 18, 2009 ASAW;

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 Geologist

Larry Higinbotham
Registered Geologist No. 5497

REGISTERED GEOLOGIST
LARRY HIGINBOTHAM
Exp. 04/30/11
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	
			TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	DIA (inch)	SCREEN (feet)
MW-1	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.28	28.94	0.00	148.43	134.15	2"	15 - 30
MW-3	ACT	12/14/09	17,400	118	970	362	2,670	<0.19	<0.20	<0.23	<0.19	25	NP	15.45	28.20	0.00	148.94	133.49	6"	15 - 30
MW-4	ACT	12/14/09	65,600	384	3,610	1,290	9,340	<0.19	<0.20	<0.23	<0.19	<5.2	NP	15.21	29.07	0.00	148.88	133.67	2"	9 - 29
MW-5	ACT	12/14/09	131	2.4	14	2.6J	14	<0.19	<0.20	<0.23	<0.19	<5.2	NP	16.53	26.23	0.00	149.62	133.09	4"	7 - 27
MW-6	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.55	26.80	0.00	148.38	135.83	4"	7 - 27
MW-7	ACT	12/14/09	39,900	271	3,240	1,420	8,890	<19.0	<20.0	<23.0	<19.0	<520.0	NP	12.42	17.45	0.00	148.20	135.78	2"	8 - 18
MW-8	ACT	12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.95	18.29	0.00	147.31	134.36	2"	8 - 18

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

TABLE 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
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.23	0.00	148.43	134.20
01/29/09	<6.6	<0.18	1.3 J	<0.21	<0.45	<0.19	NP	14.24	0.00	148.43	134.19
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.52	0.00	148.43	132.91
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.28	0.00	148.43	134.15
MONITORING WELL #MW-2				Screen Interval = 15 to 30 feet							
11/21/86	-	-	-	-	-	-	0.11	14.90	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	0.38	17.84	17.46	100.01	95.35
10/24/91	-	-	-	-	-	-	16.97	17.00	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	FILM	16.72	0.00	100.01	83.29
03/24/92	-	-	-	-	-	-	11.98	15.81	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	FILM	16.37	0.00	100.01	83.64
10/05/92	-	-	-	-	-	-	18.09	18.41	0.32	100.01	81.84
01/06/93	-	-	-	-	-	-	FILM	12.37	0.00	100.01	87.64
07/13/93	-	-	-	-	-	-	FILM	15.19	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	0.10	18.05	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	0.03	16.98	16.95	100.01	95.83
04/12/94	-	-	-	-	-	-	FILM	15.54	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	FILM	17.93	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	NP	17.20	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	NP	17.26	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.42	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	NP	10.25	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	17.20	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	16.20	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.18	16.26	0.08	100.01	83.81
	Well Abandoned 1/30/98										
MONITORING WELL #MW-3			Screen Interval = 15 to 30 feet		(GROUNDWATER SYSTEM'S PUMPING WELL)			Casing Diameter = 6 inches			
11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	SHEEN	25.80	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52

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)
10/11/93	-	-	-	-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	NP	25.10	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	NP	26.04	0.00	99.76	73.72
04/15/96	-	-	-	-	-	-	NP	21.03	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	21.43	0.00	99.76	78.33
01/13/97	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	NP	23.40	0.00	99.76	76.36
10/16/97	-	-	-	-	-	-	NP	22.30	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	NP	20.10	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	NP	14.40	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-		#N/A	-	-	-
01/20/99	-	-	-	-	-	-		#N/A	-	-	-
04/16/99	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	NP	25.87	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	NP	15.40	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	NP	14.25	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	NP	14.20	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	NP	15.12	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	NP	14.30	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	NP	13.46	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-		#N/A	-	-	-
07/16/01	-	-	-	-	-	-	NP	12.80	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	NP	15.30	0.00	99.76	84.46
01/23/02	-	-	-	-	-	-		#N/A	-	-	-
04/10/02	-	-	-	-	-	-	NP	13.22	0.00	99.76	86.54
07/24/02	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
10/30/02	-	-	-	-	-	-	NP	16.20	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	NP	14.10	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-		#N/A	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	NP	18.30	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	NP	16.65	0.00	99.76	83.11
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	NP	14.18	0.00	99.76	85.58
04/14/04	464	63	18	<0.31	16	189	NP	13.45	0.00	99.76	86.32
07/29/04	1,560	74	<3.2	30 J	<4.0	729	NP	15.94	0.00	99.76	83.82
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	NP	16.11	0.00	99.76	83.65
01/06/05	394	12	<0.32	1.5 J	<0.4	51	NP	15.61	0.00	99.76	84.15
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.19	0.00	99.76	90.57
07/27/05	383	5.6	<0.10	17	2.4 J	125	NP	16.63	0.00	99.76	83.13
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.97	0.00	99.76	82.79
01/19/06	2,050	93	2.2 J	103	55	273	NP	10.92	0.00	99.76	88.84
04/12/06	70	<0.32	<0.10	<0.24	<0.30	265	NP	12.55	0.00	99.76	87.21
07/26/06	228	<0.32	<0.10	<0.24	26	389	NP	14.94	0.00	99.76	84.82
10/25/06	87,100	26	4,880	2,390	18,500	<6.3	NP	17.49	0.00	99.76	82.27
01/24/07	4,770	1.5	98	86	604	<0.63	NP	13.40	0.00	148.94	135.54
04/24/07	15,700	42	<2.4	404	1,250	<1.9	NP	16.76	0.00	148.94	132.18
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.72	0.00	148.94	133.22
10/24/07	2,100	120	1.5 J	36	4.0 J	499	NP	15.43	0.00	148.94	133.51
01/23/08	59	<0.18	<0.24	<0.21	3.2 J	25	NP	15.43	0.00	148.94	133.51
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	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)
10/29/08	13,500	84	1,190	615	4,080	28	NP	15.42	0.00	148.94	133.52
01/29/09	2,510	81	449	67	448	<1.9	NP	15.40	0.00	148.94	133.54
05/06/09	119	<0.18	2.3 J	2.7 J	22	10	NP	15.26	0.00	148.94	133.68
12/14/09	17,400	118	970	362	2,670	<0.19	NP	15.45	0.00	148.94	133.49
MONITORING WELL #MW-4			Screen Interval = 9 to 29 feet					Casing Diameter = 2 inches			
11/21/86	100,000	3,200	2,700	2,400	14,000	-	FILM	16.22	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.35	21.80	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	SHEEN	20.02	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	SHEEN	19.78	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	FILM	13.94	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	FILM	19.27	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	FILM	21.44	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	FILM	14.08	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	FILM	16.09	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	FILM	21.33	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	FILM	20.45	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	FILM	19.05	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	FILM	20.41	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	NP	19.89	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	NP	19.62	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.32	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	NP	10.80	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000		#N/A	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	NP	18.80	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	NP	17.76	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	NP	11.60	0.00	99.48	87.88
04/08/98	18,000	1,200	130	710	1,400	22,000	NP	10.10	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	NP	16.30	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	NP	16.90	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	NP	15.35	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	NP	15.30	0.00	100.48	85.18
07/14/99	8,500	<6.0	<6.0	<6.0	<10	*21,000 / 16,000	NP	18.40	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	NP	16.89	0.00	100.48	83.59
01/26/00	9,900	350	9.0	460	460	2,800	NP	12.62	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	NP	12.28	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	NP	13.81	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	NP	12.29	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	NP	12.26	0.00	100.48	88.22
01/10/01	<50	<0.18	2.0	<0.18	1.0	962	NP	10.75	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	NP	12.26	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	NP	13.80	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	NP	16.87	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7.0	8.0	1.0	1.0	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64
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

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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)
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	135.14
04/24/07	1,840	25	<0.24	80	14	754	NP	16.67	0.00	148.88	132.21
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.44	0.00	148.88	133.44
10/24/07	106	13	<0.24	1.4 J	<0.45	44	NP	15.17	0.00	148.88	133.71
01/23/08	1,520	41	100	18	152	428	NP	16.57	0.00	148.88	132.31
04/29/08	4,340	76	498	138	817	<1.9	NP	17.58	0.00	148.88	131.30
07/30/08	1,280	28	105	26	150	<0.19	NP	16.54	0.00	148.88	132.34
10/29/08	31,500	130	1,870	926	5,510	<19	NP	15.14	0.00	148.88	133.74
01/29/09	184,000	1,620	30,600	5,250	24,000	<4.75	NP	15.15	0.00	148.88	133.73
02/16/09	42,900	525	5,570	<5.25	7,560	<4.75	NP	11.38	0.00	148.88	137.50
05/06/09	2,660	8.7	184	76	452	3.4	NP	16.53	0.00	148.88	132.35
12/14/09	65,600	384.0	3,610	1,290	9,340	<0.19	NP	15.21	0.00	148.88	133.67
MONITORING WELL #MW-5				Screen Interval = 7 to 27 feet					Casing Diameter = 4 inches		
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

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)
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.96	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	16.33	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.80	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5.0	NP	10.97	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.43	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.02	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.04	0.00	101.98	87.94
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	NP	10.97	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	NP	14.80	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	NP	16.71	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.42	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.78	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.93	0.00	101.98	86.05
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	NP	15.55	0.00	101.98	86.43
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.55	0.00	101.98	86.43
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.93	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	16.35	0.00	101.98	85.63
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.06	0.00	101.98	86.92
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.96	0.00	101.98	88.02
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	NP	15.60	0.00	101.98	86.38
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	NP	16.17	0.00	101.98	85.81
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	NP	15.52	0.00	101.98	86.46
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	NP	10.12	0.00	101.98	91.86
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	NP	16.66	0.00	101.98	85.32
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	NP	16.66	0.00	101.98	85.32
01/19/06	66	<0.32	<0.10	<0.24	<0.30	5.9	NP	9.96	0.00	101.98	92.02
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29
07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02
01/24/07	60	<0.32	16	3.8 J	17	<0.63	NP	14.37	0.00	149.62	135.25
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.12	0.00	149.62	135.50
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	17.06	0.00	149.62	132.56
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.50	0.00	149.62	133.12
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.16	0.00	149.62	135.46
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.89	0.00	149.62	134.73
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.96	0.00	149.62	133.66
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15
01/29/09	<6.6	<0.18	1.9 J	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.09	0.00	149.62	135.53
12/14/09	131	2.4	14	2.6J	14	<0.19	NP	16.53	0.00	149.62	133.09

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)
MONITORING WELL #MW-6				Screen Interval = 7 to 27 feet						Casing Diameter = 4 inches	
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-		#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-		#N/A	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5.0	NP	13.60	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5.0	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5.0	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5.0	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5.0	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91

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	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
04/24/07	<5.6	<0.18	<0.24	<0.21	1.5 J	5.7	NP	10.63	0.00	148.38	137.75
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.04	0.00	148.38	135.34
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.53	0.00	148.38	135.85
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.70	0.00	148.38	137.68
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	11.43	0.00	148.38	136.95
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.36	0.00	148.38	135.02
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.51	0.00	148.38	135.87
01/29/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.50	0.00	148.38	135.88
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.63	0.00	148.38	137.75
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.55	0.00	148.38	135.83
MONITORING WELL #MW-7				Screen Interval = 8 to 18 feet				Casing Diameter = 2 inches			
03/05/07	3,110	16	<0.10	125	725	10	NP	10.84	0.00	148.20	137.36
04/24/07	15,500	42	<2.4	381	1,230	<1.9	NP	15.03	0.00	148.20	133.17
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.03	0.00	148.20	133.17
10/24/07	1,100	72	<0.24	18	1.6 J	221	NP	14.54	0.00	148.20	133.66
01/23/08	149	<0.18	14	4.4 J	25	<0.19	NP	15.00	0.00	148.20	133.20
04/29/08	978	<0.18	4.2 J	25	165	<0.19	NP	13.14	0.00	148.20	135.06
07/30/08	181	<0.18	<0.24	<0.21	22	<0.19	NP	15.13	0.00	148.20	133.07
10/29/08	13,200	108	987	400	2,550	<0.19	NP	14.52	0.00	148.20	133.68
01/29/09	11,100	176	1,360	374	2,380	<1.9	NP	14.51	0.00	148.20	133.69
05/06/09	15,400	241	1,110	342	1,660	<1.9	NP	12.33	0.00	148.20	135.87
12/14/09	39,900	271	3,240	1,420	8,890	<19.0	NP	12.42	0.00	148.20	135.78
MONITORING WELL #MW-8				Screen Interval = 8 to 18 feet				Casing Diameter = 2 inches			
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.37	0.00	147.31	134.94
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.42	0.00	147.31	133.89
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.40	0.00	147.31	134.91
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.73	0.00	147.31	131.58
07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	NP	13.50	0.00	147.31	133.81
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	147.31	134.39
01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	NP	12.89	0.00	147.31	134.42
05/06/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.93	0.00	147.31	132.38
12/14/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.95	0.00	148.20	135.78

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	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-2						
10/16/97	<20	<20	<20	<500		
	Well Abandoned 1/30/98					
MONITORING WELL # MW-3 (GROUNDWATER SYSTEM'S PUMPING WELL)						
10/16/97	-	-	-	-		
01/07/98	-	-	-	-		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	24	608		
10/08/03	<0.29	<0.17	30	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	24	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	3.9	167	<20	<20
04/12/06	<0.29	<0.17	2.5	17	<20	<20
07/26/06	<0.29	<0.17	3.2	205	-	-
10/25/06	<2.9	<1.7	<2.8	<100	-	-
01/24/07	<0.29	<0.17	<0.28	70	-	-
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1790	-	-
01/23/08	<0.20	<0.23	<0.19	38	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	81	-	-
01/29/09	<2.0	<2.3	<1.9	<52	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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-4						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<2.9	<1.7	<2.8	1,340	<20	<20
01/19/06	<0.29	<0.17	<0.28	138	<20	<20
04/12/06	<0.29	<0.17	<0.28	163	<20	<20
07/26/06	<2.9	<1.7	16	836	-	-
10/25/06	<2.9	<1.7	18	1060	-	-
01/24/07	<0.29	<0.17	<0.28	139	-	-
04/24/07	<0.20	<0.23	11	776	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	62	-	-
01/23/08	<0.20	<0.23	7.3	1,520	-	-
04/29/08	<2.0	<2.3	<1.9	<100	-	-
07/30/08	<0.20	<0.23	<0.19	20	-	-
10/29/08	<20	<23	<19	<520	-	-
01/29/09	<5.0	<5.75	<4.75	<130	-	-
02/16/09	<5.0	<5.75	<4.75	<130	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-5						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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-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	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-7						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<2.0	<2.3	<1.9	<18	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	1120	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<2.0	<2.3	<1.9	<52	-	-
05/06/09	<2.0	<2.3	<1.9	<52.0	-	-
12/14/09	<20.0	<23.0	<19.0	<520.0	-	-
MONITORING WELL # MW-8						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
05/06/09	<0.20	<0.23	<0.19	<5.2	-	-
12/14/09	<0.20	<0.23	<0.19	<5.2	-	-

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

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

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

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
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
02/01/99	15,600.0	761,799	28	Restart system									
02/12/99	22,840.0	769,039	658	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement									
03/26/99	22,840.0	769,039	-	Restart the system									
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
05/11/99	36,010.0	782,209	256	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000.0	792,199	714	System shut down due to carbon canister leaking									
09/02/99	46,000.0	792,199	-	Restart system									
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	65	<0.3	<0.3	<0.3	<0.5
10/21/99	47,278.0	793,477	34	System shut down for carbon change									
11/24/99	47,283.0	793,482	0	Restart system									
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	<50	1.3	<0.25	<0.25	<0.5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	923	<0.6	2	85	80

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				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	3,820	<0.3	<0.3	<0.3	<0.6
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<50	<0.3	<0.3	<0.3	<0.6
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem restarted on 10/25/00 after QWS									
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	17,100	111	121	141	972
10/27/00	2,160	848,059	1,080	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560	862,459	435	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	10,000	384	223	<0.18	1,330
02/19/01	99,640	945,539	1,128	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	4,040	191	4	42	38
04/13/01	169,210	1,015,109	540	Shut down system for replacement of carbon drums									
04/18/01	169,210	1,015,109	-	Restart system									
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	1,400	<0.18	<0.14	<0.18	<0.26
05/02/01	186,800	1,032,699	1,073	Shut down system for carbon change									
05/18/01	186,900	1,032,799	6	Restart system									
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	3,100	15	<0.14	1	2
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	860	<50	<0.18	<0.14	<0.18	<0.26	748	15	<0.14	2	2.7
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	956	1.2	<0.14	<0.18	<0.26
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	232	1	1	<0.18	<0.26
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	105	<0.18	<0.14	<0.18	<0.26
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-
05/06/02	895,920	1,741,819	1	System off; Restart					-	-	-	-	-
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,839,639	-	-	<0.5	< 0.7	< 0.8	< 3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results (sample collected by us)				
06/24/02	1,001,590	1,847,489	374	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	4,710	1	1.2	<0.18	2
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change					-	-	-	-	-
08/16/02	1,052,820	1,898,719	-	Restart									
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)				
09/30/02	1,110,180	1,956,079	377	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	128	<0.18	<0.14	<0.18	<0.26
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	9,860	<1.4	29	14	2,420
01/13/03	1,189,320	2,035,219	959	Shut down for QWS									

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
01/28/04	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results (sample collected by us)				
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-	-
02/10/04	1,494,550	2,340,449	368	-	-	-	-	-	-	-	-	-	-
02/20/04	1,498,790	2,344,689	424	-	-	-	-	-	-	-	-	-	-
02/25/04	1,499,360	2,345,259	114	-	-	-	-	-	-	-	-	-	-
03/03/04	1,514,700	2,360,599	2,191	-	-	-	-	-	-	-	-	-	-
03/09/04	1,517,300	2,363,199	433	-	-	-	-	-	-	-	-	-	-
03/17/04	1,519,100	2,364,999	225	-	-	-	-	-	-	-	-	-	-
03/24/04	1,524,600	2,370,499	786	-	-	-	-	-	-	-	-	-	-
04/01/04	1,529,300	2,375,199	588	-	-	-	-	-	-	-	-	-	-
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	1,380	113	93	16	76
04/14/04	1,533,000	2,378,899	257	System shut down for QWS on 4/7; Restarted 4/14					-	-	-	-	-
04/22/04	1,576,400	2,422,299	5,425	-	-	-	-	-	-	-	-	-	-
04/28/04	1,623,500	2,469,399	7,850	-	-	-	-	-	-	-	-	-	-
05/06/04	1,668,920	2,514,819	5,678	-	-	-	-	-	-	-	-	-	-
05/13/04	1,691,100	2,536,999	3,169	-	-	-	-	-	-	-	-	-	-
05/20/04	1,726,500	2,572,399	5,057	-	-	-	-	-	-	-	-	-	-
05/28/04	1,748,910	2,594,809	2,801	-	-	-	-	-	-	-	-	-	-
06/04/04	1,749,320	2,595,219	59	Found system off; for replacement of on and off switch					-	-	-	-	-
06/11/04	1,749,320	2,595,219	-	Restarted					-	-	-	-	-
06/16/04	1,751,910	2,597,809	518	-	-	-	-	-	-	-	-	-	-
06/22/04	1,753,550	2,599,449	273	-	-	-	-	-	-	-	-	-	-
07/02/04	1,756,530	2,602,429	298	-	-	-	-	-	-	-	-	-	-
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	652	31	<0.32	<0.31	2.1J
07/15/04	1,759,260	2,605,159	21	-	-	-	-	-	-	-	-	-	-
07/22/04	1,760,630	2,606,529	196	-	-	-	-	-	-	-	-	-	-
07/28/04	1,762,810	2,608,709	363	Shut down system for carbon change					-	-	-	-	-
08/05/04	1,762,810	2,608,709	-	Restarted					-	-	-	-	-
08/12/04	1,765,370	2,611,269	366	-	-	-	-	-	-	-	-	-	-
08/20/04	1,767,950	2,613,849	323	-	-	-	-	-	-	-	-	-	-
08/27/04	1,771,100	2,616,999	450	-	-	-	-	-	-	-	-	-	-
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-	-	-	-	-	-
09/07/04	1,777,590	2,623,489	960	-	-	-	-	-	-	-	-	-	-
09/10/04	1,778,460	2,624,359	290	Shut down system due to operator vacation					-	-	-	-	-
09/29/04	1,778,460	2,624,359	-	Restarted					-	-	-	-	-
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<15	<0.22	<0.32	<0.31	<0.4
10/12/04	1,782,540	2,628,439	547	Shut down system for QWS									
10/21/04	1,782,680	2,628,579	16	Restarted									
10/27/04	1,784,630	2,630,529	325	-	-	-	-	-	-	-	-	-	-
11/03/04	1,784,680	2,630,579	7	-	-	-	-	-	-	-	-	-	-
11/11/04	1,787,490	2,633,389	351	-	-	-	-	-	-	-	-	-	-
11/19/04	1,789,350	2,635,249	233	-	-	-	-	-	-	-	-	-	-
12/01/04	1,789,800	2,635,699	38	-	-	-	-	-	-	-	-	-	-
12/10/04	1,792,780	2,638,679	331	-	-	-	-	-	-	-	-	-	-
12/15/04	1,795,460	2,641,359	536	-	-	-	-	-	-	-	-	-	-
12/22/04	1,798,000	2,643,899	363	-	-	-	-	-	-	-	-	-	-
12/29/04	1,800,580	2,646,479	369	-	-	-	-	-	-	-	-	-	-
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0.31	<0.4	291	9.1	<0.32	1.2 J	<0.4
01/13/05	1,803,290	2,649,189	19	System 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					-	-	-	-	-

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Thrifty Oil Co. Station No 063, OAKLAND, CA

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

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Thrifty Oil Co. Station No 063, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
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	4,450	8.6 J	99	34 J	149
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
08/18/06	1,928,690	2,774,589	471	-	-	-	-	-	-	-	-	-	-
08/25/06	1,929,580	2,775,479	127	-	-	-	-	-	-	-	-	-	-
09/01/06	1,932,440	2,778,339	409	-	-	-	-	-	-	-	-	-	-
09/08/06	1,936,240	2,782,139	543	-	-	-	-	-	-	-	-	-	-
09/14/06	1,938,420	2,784,319	363	-	-	-	-	-	-	-	-	-	-
09/20/06	1,939,710	2,785,609	215	-	-	-	-	-	-	-	-	-	-
10/04/06	1,942,100	2,787,999	171	<5.6	<0.32	<0.10	<0.24	1.1 J	14,400	78	1,110	440	1,440
10/13/06	1,945,320	2,791,219	358	-	-	-	-	-	-	-	-	-	-
10/19/06	1,947,230	2,793,129	318	-	-	-	-	-	-	-	-	-	-
10/24/06	1,948,670	2,794,569	288	Shut down system for QWS		-	-	-	-	-	-	-	-
10/27/06	1,948,670	2,794,569	-	Restart 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			-	-	-	-	-	-	-
01/03/07	1,959,230	2,805,129	(22)	Restarted system		-	-	-	-	-	-	-	-
01/05/07	1,959,670	2,805,569	220										
01/11/07	1,961,280	2,807,179	268										
01/18/07	1,963,200	2,809,099	274	System shut down for QWS		-	-	-	-	-	-	-	-
01/24/07	1,963,200	2,809,099	-	<5.6	<0.17	<0.22	<0.14	<0.38	8,920	<1.6	115	91	612
01/25/07	1,963,860	2,809,759	660	-	-	-	-	-	-	-	-	-	-
02/02/07	1,967,120	2,813,019	408	-	-	-	-	-	-	-	-	-	-
02/06/07	1,969,320	2,815,219	550	-	-	-	-	-	-	-	-	-	-
02/16/07	1,971,040	2,816,939	172	-	-	-	-	-	-	-	-	-	-
02/19/07	1,971,760	2,817,659	240	-	-	-	-	-	-	-	-	-	-
02/28/07	1,978,320	2,824,219	729	-	-	-	-	-	-	-	-	-	-
03/16/07	1,983,620	2,829,519	331	-	-	-	-	-	-	-	-	-	-
03/23/07	1,985,120	2,831,019	214	-	-	-	-	-	-	-	-	-	-
03/30/07	1,987,330	2,833,229	316	-	-	-	-	-	-	-	-	-	-
04/05/07	1,989,120	2,835,019	298	-	-	-	-	-	-	-	-	-	-
04/12/07	1,991,300	2,837,199	311	<5.6	<0.17	<0.22	<0.14	<0.38	6,640	43	916	296	1,810
04/20/07	1,992,720	2,838,619	178	Shut down system for QWS									

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

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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
06/05/08	2,196,620	3,048,639	-	-	-	-	-	-	-	-	-	-	-
06/10/08	2,198,960	3,050,979	468	-	-	-	-	-	-	-	-	-	-
06/20/08	2,205,410	3,057,429	645	-	-	-	-	-	-	-	-	-	-
06/25/08	2,213,010	3,065,029	1,520	-	-	-	-	-	26,600	54	721	629	4,320
07/03/08	2,221,620	3,073,639	1,076	-	-	-	-	-	-	-	-	-	-
07/09/08	2,230,580	3,082,599	1,493	<6.6	<0.18	<0.24	<0.21	<0.45	6,220	103	655	188	1,040
07/18/08	2,231,140	3,083,159	62	-	-	-	-	-	-	-	-	-	-
07/25/08	2,237,110	3,089,129	853	-	-	-	-	-	-	-	-	-	-
08/04/08	2,237,120	3,089,139	1.0	-	-	-	-	-	-	-	-	-	-
08/08/08	2,240,350	3,092,369	808	-	-	-	-	-	9,480	65	1,080	375	2,120
08/22/08	2,249,810	3,101,829	676	-	-	-	-	-	-	-	-	-	-
08/24/08	2,255,420	3,107,439	2,805	-	-	-	-	-	-	-	-	-	-
09/04/08	2,261,960	3,113,979	595	-	-	-	-	-	-	-	-	-	-
09/11/08	2,264,120	3,116,139	309	-	-	-	-	-	-	-	-	-	-
09/18/08	2,270,870	3,122,889	964	-	-	-	-	-	-	-	-	-	-
09/24/08	-	-	-	-	<0.51	<0.51	<0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/24/08	2,270,960	3,122,979	15	<6.6	<0.18	<0.24	<0.21	<0.45	Split-sample results during EBMUD inspection & sampling				-
09/26/08	2,272,540	3,124,559	790	-	-	-	-	-	-	-	-	-	-
10/03/08	2,280,060	3,132,079	1,074	-	-	-	-	-	-	-	-	-	-
10/08/08	2,286,630	3,138,649	1,314	-	-	-	-	-	-	-	-	-	-
10/16/08	2,294,110	3,146,129	935	-	-	-	-	-	-	-	-	-	-
10/28/08	2,307,750	3,159,769	1,137	-	-	-	-	-	8,490	100	1,130	308	1,680
11/07/08	2,316,370	3,168,389	862	-	-	-	-	-	-	-	-	-	-
11/14/08	2,322,890	3,174,909	931	-	-	-	-	-	-	-	-	-	-
11/21/08	2,330,420	3,182,439	1,076	-	-	-	-	-	-	-	-	-	-
11/26/08	2,337,570	3,189,589	1,430	-	-	-	-	-	-	-	-	-	-
12/05/08	2,344,350	3,196,369	753	-	-	-	-	-	-	-	-	-	-
12/10/08	2,351,080	3,203,099	1,346	-	-	-	-	-	-	-	-	-	-
12/18/08	2,358,770	3,210,789	961	-	-	-	-	-	-	-	-	-	-
12/19/08	2,358,920	3,210,939	150	-	-	-	-	-	-	-	-	-	-
12/23/08	2,366,510	3,218,529	1,898	<6.6	<0.18	<0.24	<0.21	<0.45	8,230	60	1,730	279	1,720
01/06/09	2,382,280	3,234,299	1,126	-	-	-	-	-	-	-	-	-	-
01/07/09	2,382,410	3,234,429	130	-	-	-	-	-	-	-	-	-	-
01/12/09	2,391,510	3,243,529	1,820	-	-	-	-	-	-	-	-	-	-
01/19/09	2,398,100	3,250,119	941	-	-	-	-	-	-	-	-	-	-
01/28/09	2,408,760	3,260,779	1,184	Shut down system for QWS					-	-	-	-	-
01/30/09	2,408,790	3,260,809	15	Restart system after QWS					-	-	-	-	-
02/04/09	2,415,390	3,267,409	1,320	-	-	-	-	-	-	-	-	-	-
02/11/09	2,424,020	3,276,039	1,233	-	-	-	-	-	-	-	-	-	-
02/13/09	2,424,210	3,276,229	95	System found off because of power failure, left system off for resampling of MW-4					-	-	-	-	-
02/24/09	2,424,210	3,276,229	-	Restart system after resampling of MW-4			-	-	-	-	-	-	-
03/03/09	2,424,510	3,276,529	43	-	-	-	-	-	-	-	-	-	-
03/08/09	2,425,820	3,277,839	262	-	-	-	-	-	-	-	-	-	-
03/11/09	2,426,810	3,278,829	330	-	-	-	-	-	-	-	-	-	-
03/18/09	2,427,010	3,279,029	29	Found system off. Air Compressor switch tripped					-	-	-	-	-
03/25/09	2,427,640	3,279,659	90	-	-	-	-	-	-	-	-	-	-
03/30/09	2,428,090	3,280,109	90	-	-	-	-	-	-	-	-	-	-
04/13/09	2,429,710	3,281,729	116	-	-	-	-	-	-	-	-	-	-
04/23/09	2,431,060	3,283,079	135	-	-	-	-	-	8,180	49	976	299	2,160
04/27/09	2,431,770	3,283,789	178	-	-	-	-	-	-	-	-	-	-
05/05/09	2,432,710	3,284,729	118	Shut down system for QWS		-	-	-	-	-	-	-	-
05/07/09	2,432,760	3,284,779	25	Restart system after QWS		-	-	-	-	-	-	-	-
05/12/09	2,433,180	3,285,199	84	System shut down for carbon change		-	-	-	-	-	-	-	-

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

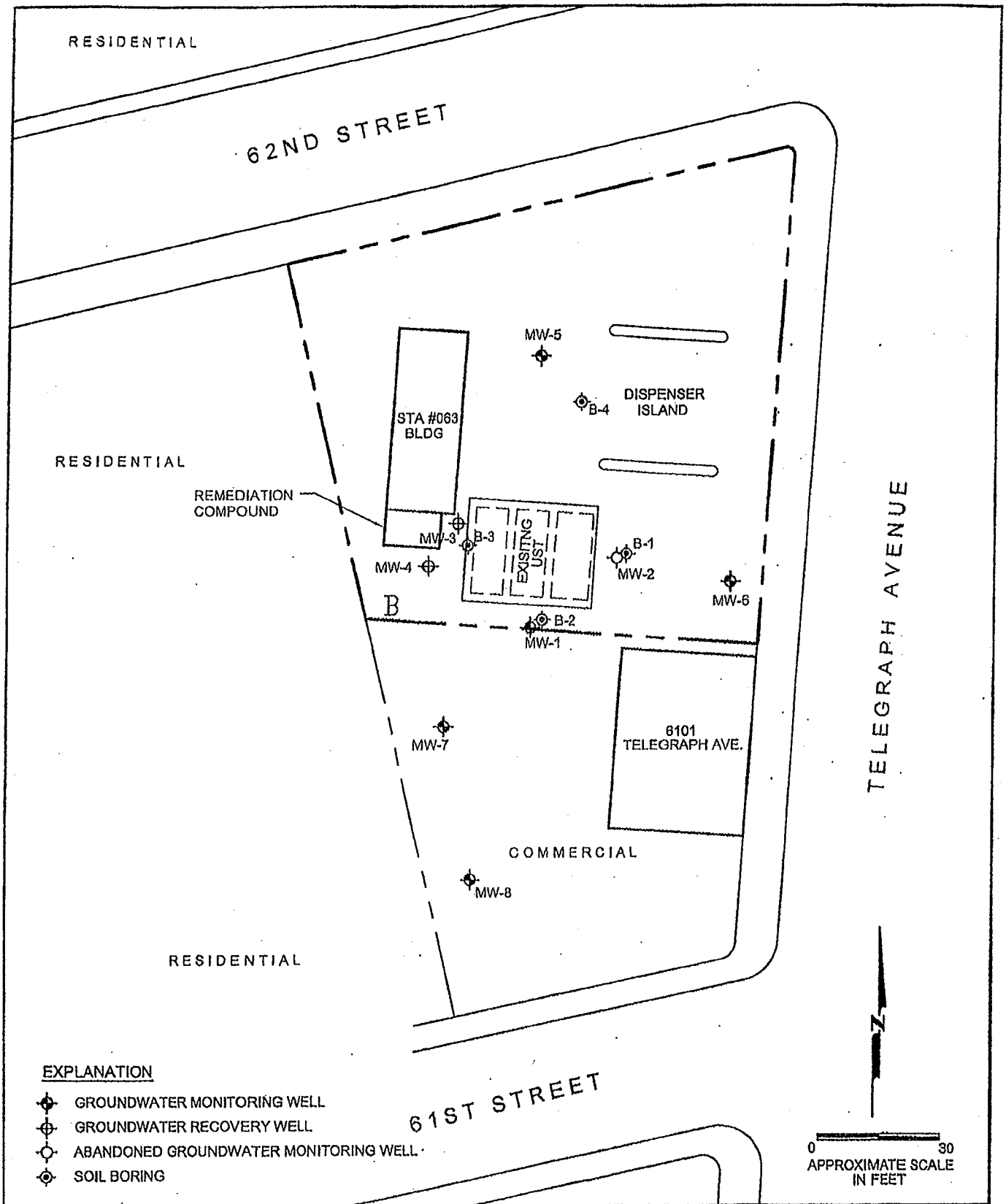
Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT					INLET / INFLUENT				
				TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L	TPH-g ug/L	B ug/L	T ug/L	E ug/L	X ug/L
05/29/09	2,433,290	3,285,309	6	System restarted after carbon change		-	-	-	-	-	-	-	-
06/08/09	2,434,090	3,286,109	80	-	-	-	-	-	-	-	-	-	-
06/15/09	2,434,720	3,286,739	90	<6.6	<0.18	<0.24	<0.21	<0.45	1,310	191	94	2.9 J	101
06/16/09	2,434,830	3,286,849	110	-	-	-	-	-	-	-	-	-	-
06/22/09	2,435,510	3,287,529	113	Replaced pressure switch, System restarted			-	-	-	-	-	-	-
07/06/09	2,436,320	3,288,339	58	-	-	-	-	-	-	-	-	-	-
07/14/09	2,437,200	3,289,219	110	-	-	-	-	-	-	-	-	-	-
07/20/09	2,437,950	3,289,969	125	-	-	-	-	-	-	-	-	-	-
07/29/09	2,438,670	3,290,689	80	-	-	-	-	-	-	-	-	-	-
08/03/09	2,439,360	3,291,379	138	-	-	-	-	-	-	-	-	-	-
08/11/09	2,439,980	3,291,999	78	-	-	-	-	-	-	-	-	-	-
08/18/09	2,440,700	3,292,719	103	-	-	-	-	-	-	-	-	-	-
08/25/09	2,441,210	3,293,229	73	-	-	-	-	-	-	-	-	-	-
09/01/09	2,442,070	3,294,089	123	-	-	-	-	-	-	-	-	-	-
09/09/09	2,442,820	3,294,839	94	-	-	-	-	-	-	-	-	-	-
09/14/09	-	-	-	-	<0.51	< 0.51	< 0.41	< 1.3 / < 0.37	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)				
09/14/09	2,443,040	3,295,059	44	<6.6	<0.23	<0.23	<0.26	<0.81	Split-sample results during EBMUD inspection & sampling				-
09/22/09	2,443,780	3,295,799	93	Shut down system for maintenance		-	-	-	-	-	-	-	-
09/25/09	2,443,790	3,295,809	3	Restart system after maintenance		-	-	-	-	-	-	-	-
09/30/09	2,444,430	3,296,449	128	-	-	-	-	-	-	-	-	-	-
10/09/09	2,445,290	3,297,309	96	-	-	-	-	-	-	-	-	-	-
10/15/09	2,445,970	3,297,989	113	-	-	-	-	-	-	-	-	-	-
10/20/09	2,446,620	3,298,639	130	-	-	-	-	-	-	-	-	-	-
10/28/09	2,447,640	3,299,659	128	-	-	-	-	-	-	-	-	-	-
11/02/09	2,448,390	3,300,409	150	-	-	-	-	-	-	-	-	-	-
11/09/09	2,449,210	3,301,229	117	-	-	-	-	-	-	-	-	-	-
11/16/09	2,449,930	3,301,949	103	-	-	-	-	-	-	-	-	-	-
11/23/09	2,450,800	3,302,819	124	-	-	-	-	-	-	-	-	-	-
11/30/09	2,451,420	3,303,439	89	-	-	-	-	-	-	-	-	-	-
12/07/09	2,451,660	3,303,679	34	-	-	-	-	-	-	-	-	-	-
12/10/09	2,451,990	3,304,009	110	<6.6	<0.18	<0.24	<0.21	<0.45	15,400	177	1560	481	2920
12/11/09	2,451,990	3,304,009	-	System Shut down for QWS		-	-	-	-	-	-	-	-
12/17/09	2,452,040	3,304,059	7	Restart system after QWS		-	-	-	-	-	-	-	-
12/21/09	2,452,410	3,304,429	93	-	-	-	-	-	-	-	-	-	-
12/28/09	2,453,430	3,305,449	146	-	-	-	-	-	-	-	-	-	-
WD PERMIT LIMITS:				*NE*	*5.0*	*5.0*	*5.0*	*5.0*					

Note:

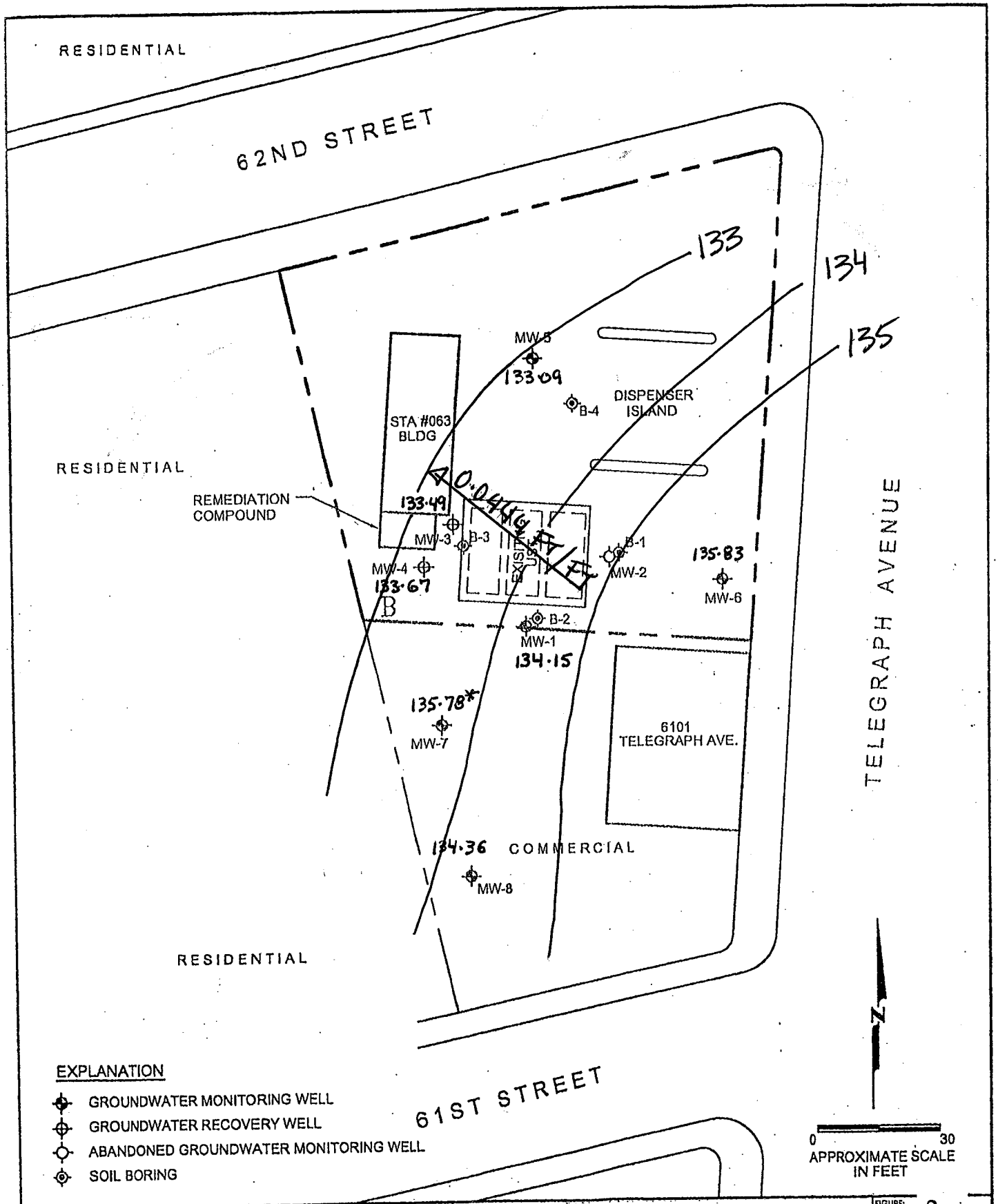
< = less than laboratory detection level indicated
- = no sample / not analyzed
NE = Permit Limit not established
TPH is analyzed by EPA Method 8015 M
BTEX is analyzed by EPA Method 8021 or 8260
*MTBE by 8020 / 8260

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.		



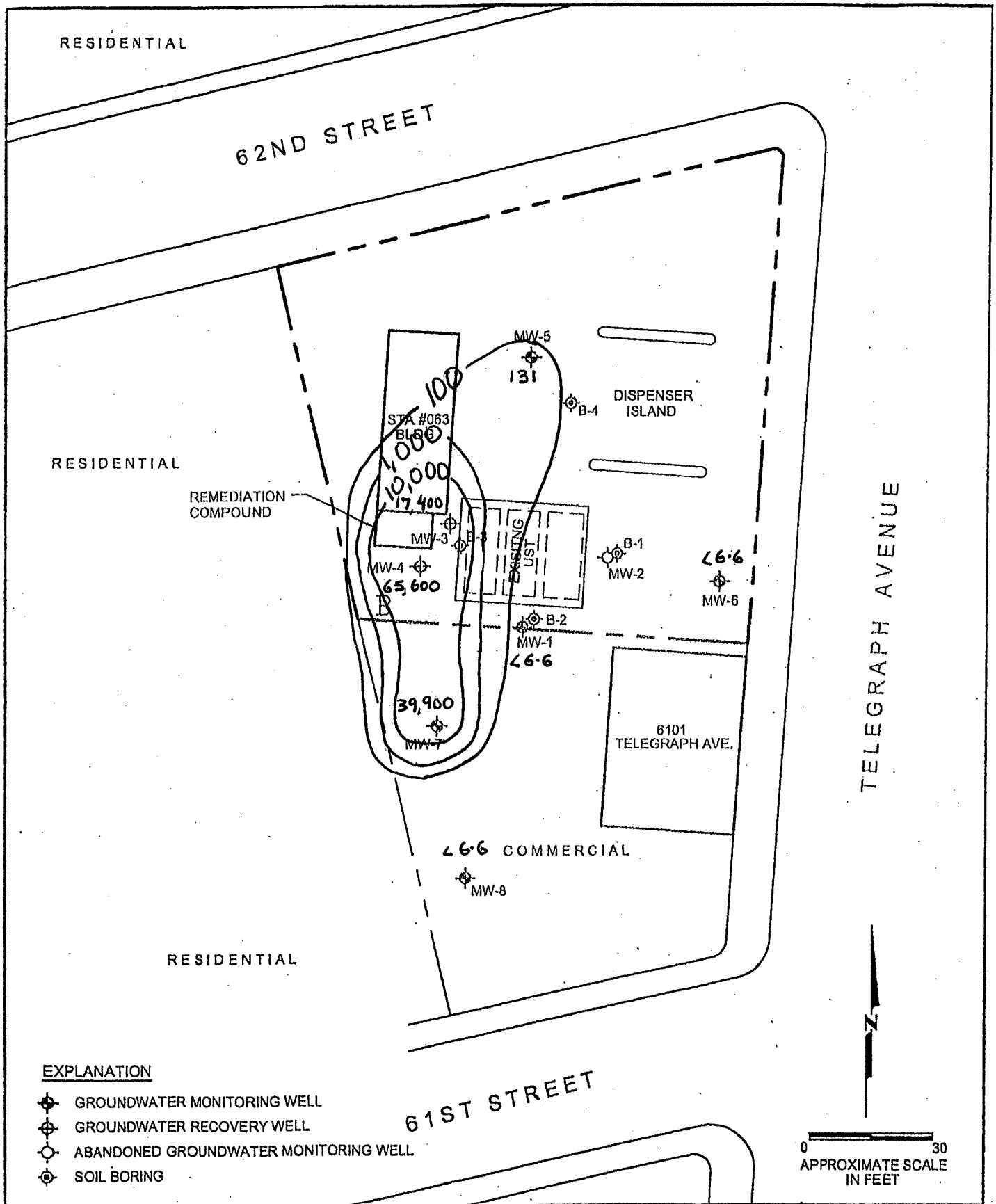
Groundwater gauging conducted on 12-14-09
Elevations reported in feet above mean sea level
* = not used to determine groundwater contour lines

PROJECT NO.

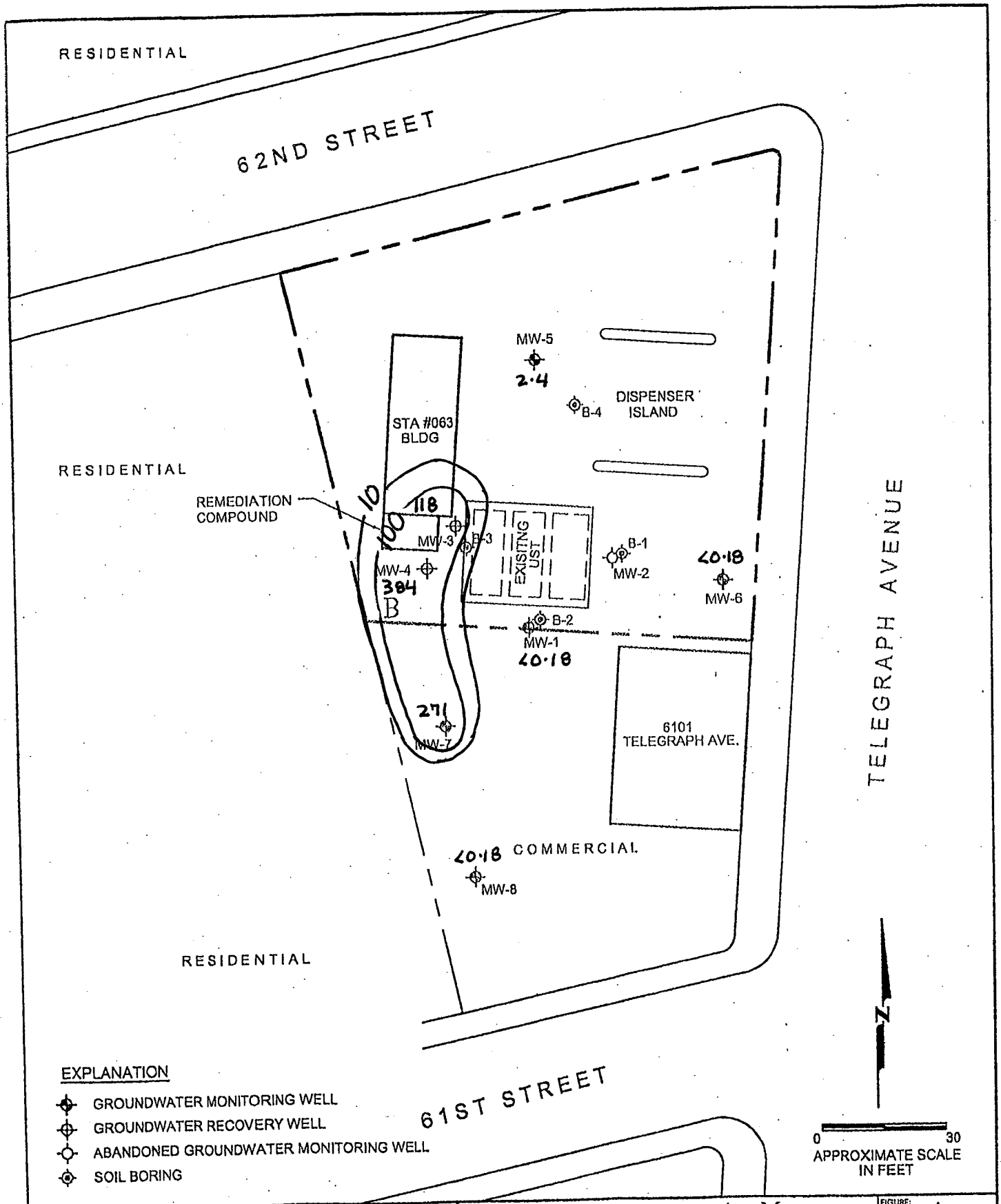
Groundwater Elevation Contour Map

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 12-14-09	TPHg Isoconcentration Map Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California	FIGURE: 3 SHEET: of REVISION NO: 0 DATE: 03/07
PROJECT NO. -		



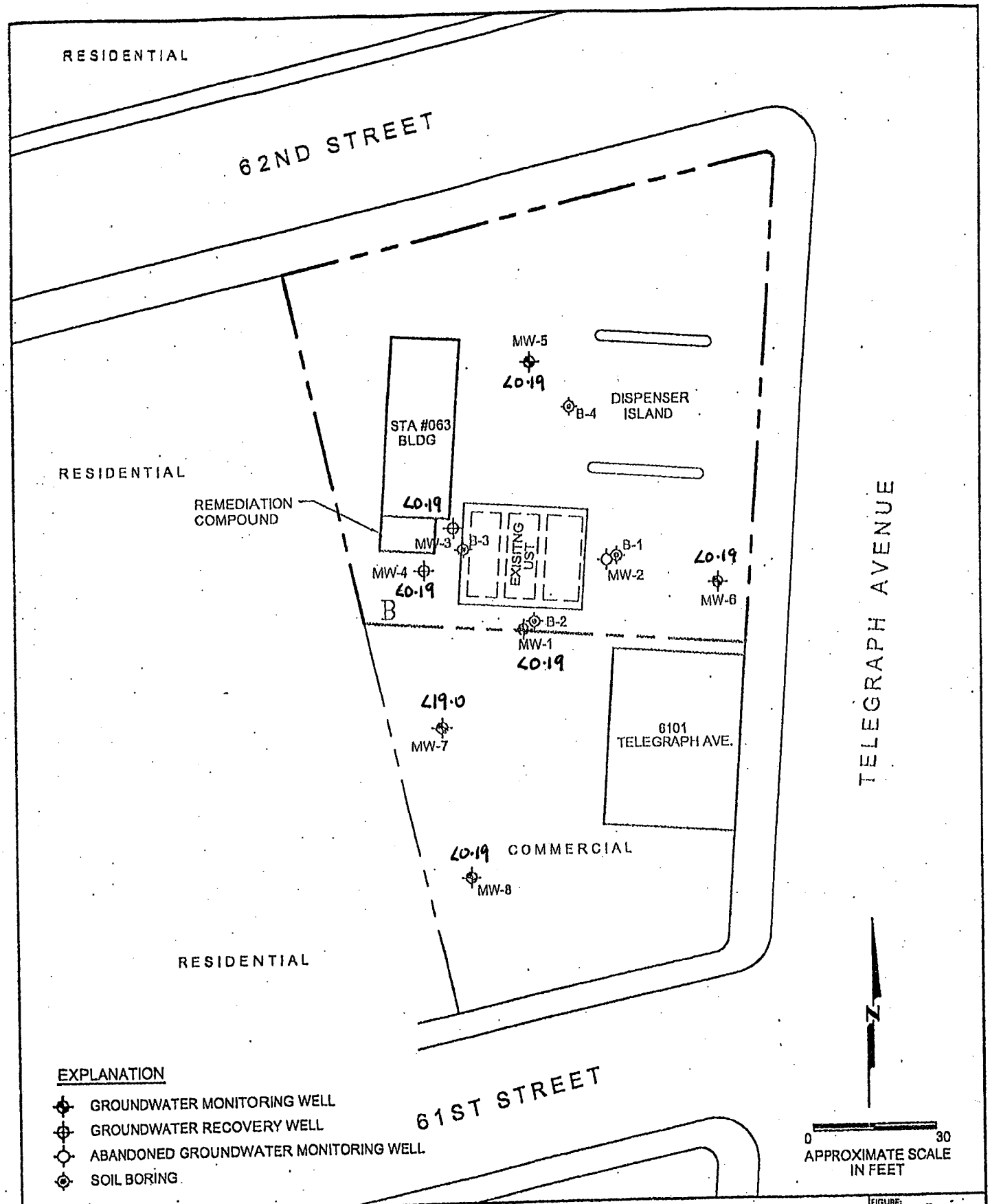
units in µg/L
Samples collected on 12-14-09

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

PROJECT NO.



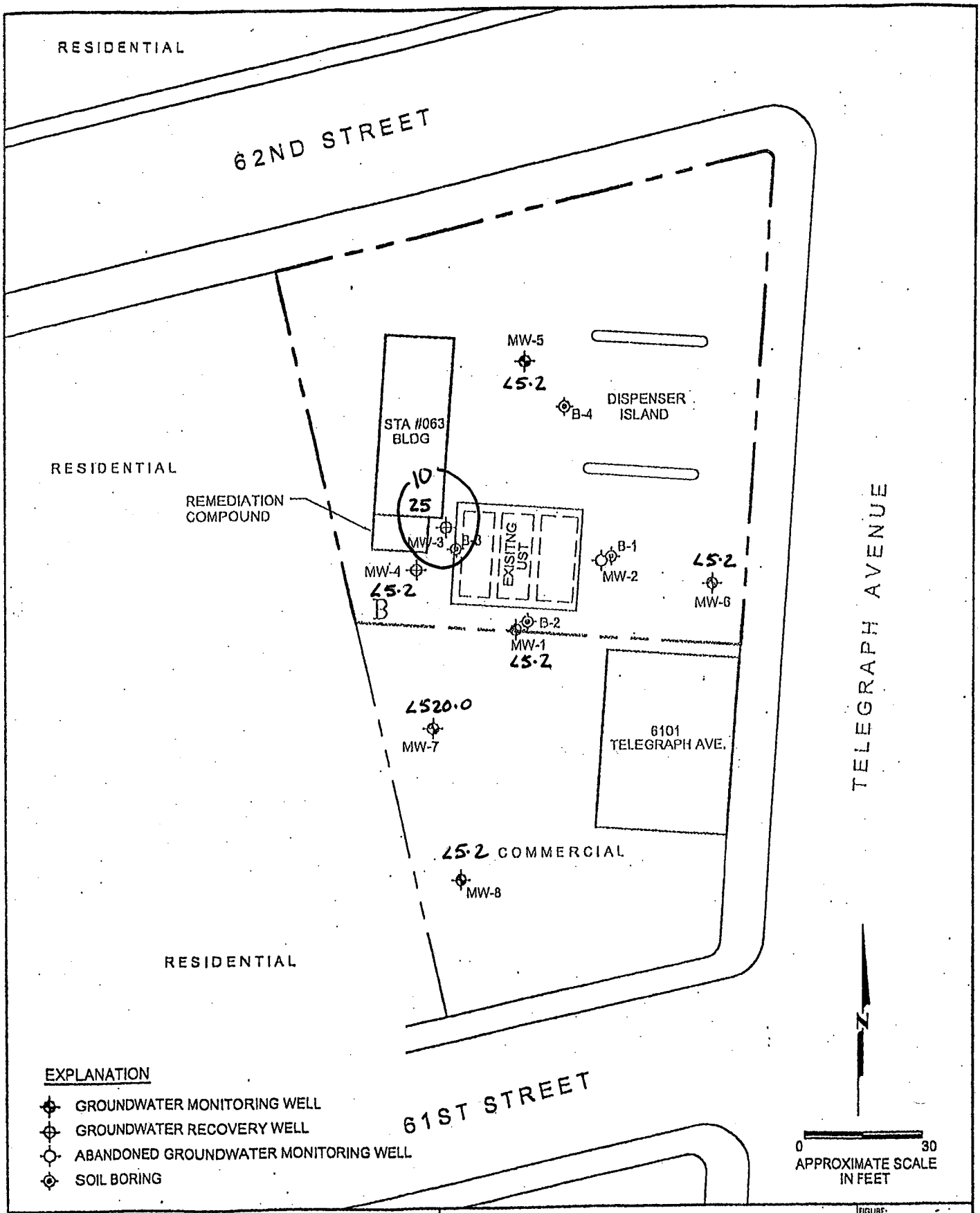
units in µg/L
Samples collected on 12-14-09

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 12-14-09

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: 12-14-2009

PERSONNEL: SERBAN P.

	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		14.28	29.94		15.66	2"	7	10	
2	MW-3		15.45	28.20		12.75	6"	56	60	
3	MW-4		15.21	29.07		13.86	2"	6	10	
4	MW-5		16.53	26.23		9.70	4"	19	20	
5	MW-6		12.55	26.80		14.25	4"	27	27	
6	MW-7		12.42	17.45		5.03	2"	2	5	OFFSITE
7	MW-8		12.95	18.29		5.34	2"	2	5	OFFSITE

FREE PRODUCT REMOVED: APPROX. ____ GALLONS

PURGE-WATER REMOVED: APPROX. 137 GALLONS

REMARKS: - MONITORING WELLS AND TAKE WATER SAMPLES FROM 8 WELLS
- PURGE WATER WAS PUMP 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: 12-14-2009

Address: 6125 TELEGRAPH AVE, OAKLAND 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:	9:40	Well casing dia. (in)	2"
Total Well Depth (ft):	17.45	Depth To Product (ft)	
Depth To Water (ft):	12.42	Product Thickness (ft)	
Water Column (ft):	5.03		

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	0.49	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): 5.03 (water column) x 0.49 (multiplier) = 2.46

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
13:40	0	START PURGING					
13:41	1	1	71.5	5.82	1510	cloudy	
13:42	1	1	71.2	5.93	1470	cloudy	
13:43	1	1	71.1	5.74	1460	cloudy	
13:44	1	1	71.9	5.68	1470	cloudy	
13:45	1	1	71.6	5.70	1460	cloudy	

DTW immed. after purge (ft): 12.39 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [5.03 (Water Column)] x 0.20 + [12.42 (DTW Initial)] = 13.42 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):
12.14.09	15:40 am / pm			

Depth To Water Before Sampling (ft): 13.06

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 12-14-2009

Address: 6125 TELEGRAPH AVE, OAKLAND 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:	9:30
Total Well Depth (ft):	29.07
Depth To Water (ft):	15.21
Water Column (ft):	13.86

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.	0.49	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): 13.86 (water column) x 0.49 (multiplier) = 6.80

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
13:20	0	START PURGING					
13:22	2	2	71.4	5.81	1420	CLEAR	
13:24	2	2	71.3	5.96	1470	CLEAR	
13:26	2	2	71.4	5.87	1390	CLEAR	
13:28	2	2	71.6	5.83	1370	CLEAR	
13:30	2	2	71.8	5.91	1370	CLEAR	

DTW immed. after purge (ft): 15.16 | Actual purged volume (gal): 10 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [13.86 (Water Column)] x 0.20 + [15.21 (DTW Initial)] = 17.98 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):
12.14.09	15:30 am / pm			

Depth To Water Before Sampling (ft): 18.02

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 12-14-2009

Address: 6925 TELEGRAPH AVE, OAKLAND, 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:	9:20
Total Well Depth (ft):	28.20
Depth To Water (ft):	15.45
Water Column (ft):	12.75

Well casing dia. (in): 6"
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

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

Estimated Purge Volume (gal): 12.75 (water column) x 4.40 (multiplier) = 56.10

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
12:10	0	START PURGING					
12:22	12	12	71.8	5.82	1420	CLEAR	
12:34	12	12	71.3	5.80	1460	CLEAR	
12:46	12	12	71.4	5.86	1430	CLEAR	
12:58	12	12	71.6	5.83	1430	CLEAR	
13:10	12	12	71.7	5.85	1420	CLEAR	

DTW immed. after purge (ft): 15.31 | Actual purged volume (gal): 60 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [12.75 (Water Column)] x 0.20 + [15.45 (DTW Initial)] = 18.00 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):
12.14.09	15:10 am / pm			

Depth To Water Before Sampling (ft): 18.00

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 12-14-2009

Address: 6125 TELEGRAPH AVE, OAKLAND, 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:	9:40
Total Well Depth (ft):	18.29
Depth To Water (ft):	12.95
Water Column (ft):	5.34

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.	0.49	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): 5.34 (water column) x 0.49 (multiplier) = 2.60

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	71.3	5.86	1200	CLEAR	
11:52	1	1	71.4	5.93	1230	CLEAR	
11:53	1	1	71.2	5.90	1210	CLEAR	
11:54	1	1	71.3	5.85	1220	CLEAR	
11:55	1	1	71.3	5.80	1210	CLEAR	

DTW immed. after purge (ft): 12.82 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [5.34 (Water Column)] x 0.20 + [12.95 (DTW initial)] = 14.01 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):
12.14.09	14:30 am / pm			

Depth To Water Before Sampling (ft): 13.21

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 12-14-2009

Address: 6121 TRUEWORTHY AVE, OAKLAND 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:	8:50	Well casing dia. (in)	4"
Total Well Depth (ft):	26.80	Depth To Product (ft)	
Depth To Water (ft):	12.55	Product Thickness (ft)	
Water Column (ft):	14.25		

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): 14.25 (water column) x 1.96 (multiplier) = 27

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
11:10	0	START PURGING					
11:16	6	6	71.4	5.78	1260	CLEAR	
11:22	6	6	71.6	5.89	1310	CLEAR	
11:28	6	6	71.3	5.83	1320	CLEAR	
11:34	6	6	71.2	5.81	1310	CLEAR	
11:40	3	3	71.3	5.85	1310	CLEAR	

DTW immed. after purge (ft): 12.49 | Actual purged volume (gal): 27 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [14.25 (Water Column)] x 0.20 + [12.55 (DTW initial)] = 15.40 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):
12.14.09	14:20 am / pm			

Depth To Water Before Sampling (ft): 15.09

Notes:

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

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

Date: 12-14-2009

Address: 6125 TELEGRAPH AVE OAKLAND 94609

Well ID#: MW-5

Personnel: SERBAN P.

Weather: SUNNY DRY

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	Well casing dia. (in)	4"
Total Well Depth (ft):	26.23	Depth To Product (ft)	
Depth To Water (ft):	16.53	Product Thickness (ft)	
Water Column (ft):	9.70		

Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	5"	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): 9.70 (water column) x 1.96 (multiplier) = 19

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:20	0	START PURGING					
10:25	5	5	72.1	6.04	1320	CLEAR	
10:30	5	5	71.8	5.81	1310	CLEAR	
10:35	5	5	71.6	5.80	1320	CLEAR	
10:40	5	5	71.6	5.86	1310	CLEAR	
10:45							

DTW immed. after purge (ft): 16.43 | Actual purged volume (gal): 20 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [9.70 (Water Column)] x 0.20 + [16.53 (DTW initial)] = 18.47 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):
12.14.09	14:10 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: 12-14-2009

Address: 6125 TELEGRAPH AVE, OAKLAND 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:	8:30	Well casing dia. (in)	2
Total Well Depth (ft):	29.94	Depth To Product (ft)	
Depth To Water (ft):	14.28	Product Thickness (ft)	
Water Column (ft):	15.66		

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	0.49	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): 15.66 (water column) x 0.49 (multiplier) = 7.67

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
10:00	0	START PURGING					
10:02	2	2	71.6	5.91	1240	CLEAR	
10:04	2	2	71.3	5.72	1230	CLEAR	
10:06	2	2	71.4	5.86	1230	CLEAR	
10:08	2	2	71.1	5.83	1240	CLEAR	
10:10	2	2	71.4	5.80	1240	CLEAR	

DTW immed. after purge (ft): 14.23 | Actual purged volume (gal): 10 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [15.66 (Water Column)] x 0.20 + [14.28 (DTW Initial)] = 17.41 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):
12.14.09	14:00 am / pm			

Depth To Water Before Sampling (ft): 17.02

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 246328
REPORTED 12/29/2009
RECEIVED 12/15/2009

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
1043522	TOC #063 MW-7
1043523	TOC #063 MW-4
1043524	TOC #063 MW-3
1043525	TOC #063 MW-8
1043526	TOC #063 MW-6
1043527	TOC #063 MW-5
1043528	TOC #063 MW-1
1043529	TOC #063 Trip Blank
1043530	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 #: 1043522
Matrix: WATER

Client Sample ID: TOC #063 MW-7
Date Sampled: 12/14/2009 **Time Sampled:** 15:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	271	100.0	100.0	18.0	ug/L	12/18/09 RP
Di-isopropyl ether (DIPE)	ND	100.0	100.0	20.0	ug/L	12/18/09 RP
Ethyl benzene	1420	100.0	500.0	21.0	ug/L	12/18/09 RP
Ethyl-tertbutylether (ETBE)	ND	100.0	100.0	23.0	ug/L	12/18/09 RP
Methyl-tert-butylether (MTBE)	ND	100.0	100.0	19.0	ug/L	12/18/09 RP
Tert-amylmethylether (TAME)	ND	100.0	100.0	19.0	ug/L	12/18/09 RP
Tertiary butyl alcohol (TBA)	ND	100.0	1000.0	520.0	ug/L	12/18/09 RP
Toluene	3240	100.0	500.0	24.0	ug/L	12/18/09 RP
Xylenes, total	8890	100.0	500.0	45.0	ug/L	12/18/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	118				%	70 - 135
8015B - Gasoline						
Gasoline	39900	20.0	1000.0	132.0	ug/L	12/23/09 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 #: 1043523 **Client Sample ID:** TOC #063 MW-4
Matrix: WATER **Date Sampled:** 12/14/2009 **Time Sampled:** 15:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	384	100.0	100.0	18.0	ug/L	12/22/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/18/09 RP
Ethyl benzene	1290	100.0	500.0	21.0	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/18/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/18/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/18/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/18/09 RP
Toluene	3610	100.0	500.0	24.0	ug/L	12/22/09 RP
Xylenes, total	9340	100.0	500.0	45.0	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	84				%	70 - 135
Surr3 - Toluene-d8	103				%	70 - 135
Surr4 - p-Bromofluorobenzene	120				%	70 - 135
8015B - Gasoline						
Gasoline	65600	40.0	2000.0	264.0	ug/L	12/18/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	116				%	60 - 140

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

Order #: 1043524 **Client Sample ID:** TOC #063 MW-3
Matrix: WATER **Date Sampled:** 12/14/2009 **Time Sampled:** 15:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	118	1.0	1	0.18	ug/L	12/18/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/18/09 RP
Ethyl benzene	362	10.0	50.0	2.1	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/18/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/18/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/18/09 RP
Tertiary butyl alcohol (TBA)	25	1.0	10	5.2	ug/L	12/18/09 RP
Toluene	970	10.0	50.0	2.4	ug/L	12/22/09 RP
Xylenes, total	2670	10.0	50.0	4.5	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	98				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015B - Gasoline						
Gasoline	17400	10.0	500.0	66.0	ug/L	12/20/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	92				%	60 - 140

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

Order #: 1043525
Matrix: WATER

Client Sample ID: TOC #063 MW-8
Date Sampled: 12/14/2009 **Time Sampled:** 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/22/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/22/09 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/22/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/22/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/22/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/22/09 RP
Toluene	ND	1.0	5	0.24	ug/L	12/22/09 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
Surr3 - Toluene-d8	103				%	70 - 135
Surr4 - p-Bromofluorobenzene	109				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/18/09 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

Order #: 1043526 **Client Sample ID:** TOC #063 MW-6

Matrix: WATER **Date Sampled:** 12/14/2009 **Time Sampled:** 14:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/22/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/22/09 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/22/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/22/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/22/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/22/09 RP
Toluene	ND	1.0	5	0.24	ug/L	12/22/09 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	111				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/18/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	68				%	60 - 140

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

Order #: 1043527 **Client Sample ID:** TOC #063 MW-5
Matrix: WATER **Date Sampled:** 12/14/2009 **Time Sampled:** 14:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	2.4	1.0	1	0.18	ug/L	12/22/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/22/09 RP
Ethyl benzene	2.6J	1.0	5	0.21	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/22/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/22/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/22/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/22/09 RP
Toluene	14	1.0	5	0.24	ug/L	12/22/09 RP
Xylenes, total	14	1.0	5	0.45	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	98				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	111				%	70 - 135
Surr3 - Toluene-d8	103				%	70 - 135
Surr4 - p-Bromofluorobenzene	110				%	70 - 135
8015B - Gasoline						
Gasoline	131	1.0	50	6.6	ug/L	12/18/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	91				%	60 - 140

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

Order #: 1043528 **Client Sample ID:** TOC #063 MW-1
Matrix: WATER **Date Sampled:** 12/14/2009 **Time Sampled:** 14:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/22/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/22/09 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/22/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/22/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/22/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/22/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/22/09 RP
Toluene	ND	1.0	5	0.24	ug/L	12/22/09 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	12/22/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	102				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	111				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/18/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	78				%	60 - 140

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

Order #: 1043529
Matrix: WATER

Client Sample ID: TOC #063 Trip Blank
Date Sampled: 12/14/2009 **Time Sampled:** 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	1.3	1.0	1	0.18	ug/L	12/18/09 RP
Ethyl benzene	1.1J	1.0	5	0.21	ug/L	12/18/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/18/09 RP
Toluene	6.9	1.0	5	0.24	ug/L	12/18/09 RP
Xylenes, total	8.5	1.0	5	0.45	ug/L	12/18/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	64	1.0	50	6.6	ug/L	12/17/09 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 #: 1043530 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/18/09 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/18/09 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/18/09 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/18/09 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/18/09 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/18/09 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/18/09 RP
Toluene	ND	1.0	5	0.24	ug/L	12/18/09 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	12/18/09 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	110				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/17/09 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: December 23, 2009

Analysis Date 12/23/09-12/24/09

Lab ID#'s in Batch: 246130 , 246490 , 246824 , 246766 , 246328 , 246821 , 246687 , 246767 , 246679 .

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	519	472	104	94	9

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	82
LCS	90
LCSD	105

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: December 20, 2009

Analysis Date 12/20/09-12/21/09

Lab ID#'s in Batch: 246328 , 246375 , 246480 , 246490 , 246593 , 246589 , 246587 , 246588 , 246601 , 246604 .

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	409	84	82	2

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

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	79
LCS	87
LCSD	94

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: December 17, 2009

Analysis Date 12/17/09-12/18/09

Lab ID#'s in Batch: 246328 , 246372 .

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	388	404	78	81	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	87
LCSD	89

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 246318-460
Date Prepared: December 21, 2009
Date Analyzed: 12/21-12/22/09
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 246045, 246318, 246332, 246328, 246589

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.00	51.00	100	102	2	22	59 - 172
MTBE	0.00	50.0	54.40	55.90	109	112	3	24	62 - 137
Benzene	0.00	50.0	50.30	52.70	101	105	5	24	62 - 137
Trichloroethene	0.00	50.0	46.60	45.50	93	91	2	21	66 - 142
Toluene	0.00	50.0	49.10	47.80	98	96	3	21	59 - 139
Chlorobenzene	0.00	50.0	47.40	47.80	95	96	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	46.70	93	59 - 172
MTBE	50.0	49.60	99	62 - 137
Benzene	50.0	48.80	98	62 - 137
Trichloroethene	50.0	46.70	93	66 - 142
Toluene	50.0	50.60	101	59 - 139
Chlorobenzene	50.0	49.00	98	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	94	104		102	104		98	70 - 135
1,2-Dichloroethane-d4	108	112		108	106		102	70 - 135
Toluene-d8	104	99		97	93		99	70 - 135
p-Bromofluorobenzene	110	102		100	98		105	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 246328-523
Date Prepared: December 18, 2009
Date Analyzed: 12/18-12/19/09
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 246318, 246328, 246196, 245932, 246499, 246523

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	47.90	47.40	96	95	1	22	59 - 172
MTBE	0.00	50.0	51.50	48.60	103	97	6	24	62 - 137
Benzene	405.00	50.0	382.00	370.00	NC	NC	3	24	62 - 137
Trichloroethene	0.00	50.0	47.40	46.50	95	93	2	21	66 - 142
Toluene	4060.00	50.0	3190.00	3020.00	NC	NC	5	21	59 - 139
Chlorobenzene	0.00	50.0	48.10	47.80	96	96	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	44.40	89	59 - 172
MTBE	50.0	51.40	103	62 - 137
Benzene	50.0	47.00	94	62 - 137
Trichloroethene	50.0	43.20	86	66 - 142
Toluene	50.0	46.00	92	59 - 139
Chlorobenzene	50.0	46.20	92	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	95	101		95	100		101	70 - 135
1,2-Dichloroethane-d4	105	111		87	81		107	70 - 135
Toluene-d8	100	99		103	102		96	70 - 135
p-Bromofluorobenzene	110	105		117	114		102	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: TOC #063
Date Received: 12-15-09
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: GSO 106724716

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 3.0c

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

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

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

Section 4
Explanations/Comments

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

Completed By: M. Eckert Date: 12-15-09

Chain of Custody Record

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

246328 ✓

Page 1 of 1

Company	TRINITY OIL CO.	Phone	562(921-3581)
Project Manager	JEFF SURYAKUSUMA	Fax	562(921-7510)
Project Name	Q.W.S. ✓	Project #	063 ✓
Site Name and Address	6125 TELEGRAPH AVE OAKLAND CA. 94609	A.L. Job No.	

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH(g)(8015M)	BTEX(8020B)	OXY GENATES	Test Instructions & Comments
1	MW-7		12.14.09	15:40	H_2O	4-VOA	HCL	X	X	X	T0600101366
2	MW-4			15:30				X	X	X	
3	MW-3			15:10				X	X	X	
4	MW-8			14:50				X	X	X	
5	MW-6			14:20				X	X	X	
6	MW-5			14:10				X	X	X	
7	MW-1			14:00				X	X	X	
8	TRIP BLANK			00:00	H_2O	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:	SERBAN P.		
Date: / Time:	12.14.09 / 16:30	/	/
Received By:	G.S.O.		
Signature:			
Printed Name:			
Date: / Time:	/	12-15-09 / 0805	/

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

APPENDIX C

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-31-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHANGE OIL AND FILTER FOR COMPRESSOR
- MAINTENANCE TRANSFER PUMP

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-30-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - MAINTENANCE PUMP IN MW-3
- REPLACE FILTER FOR PRESSURE REGULATOR FOR COMPRESSOR

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: 12-28-2009

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

FLOW METER READING: 2453430

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: 1.4

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

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: 12-21-2009

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

FLOW METER READING: -2452910-

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: 0.0

INSPECTOR'S SIGNATURE: R Stojanovic

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 0.63
ADDR: 6125 TELEGRAPH AVE
OAKLAND, 94609
DATE: 12-17-2009
PERSON: SEBASTIAN

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☐ GWT ☐ FPR ☐ Other:

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment					
FPR	FP Recovery				2452040	
O	Other:					

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

OTHER NOTES:
RESTART SYSTEM AFTER G.W.S.

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP SHUTDOWN REPORT

SITE: TOC #063
ADDR: 6125 TELEGRAPH AVE
OAKLAND 94609
DATE: 12-11-2009
PERSON: REBATH

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☐ GWT ☐ FPR ☐ Other

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment				2451990	
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
SHUT DOWN SYSTEM FOR QWS

ALWAYS OBSERVE SAFETY PROCEDURES!

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-10-2009

1) NAME: DATE/TIME
2) FINDINGS:
FLOWMETER
2451900

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: TAKE WATER SAMPLING FROM SYSTEM

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-09-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - REPLACE FILTER FOR PRESSURE/REGULATOR FOR MW-3 PUMP
- MAINTENANCE TRANSFER PUMP

(063)

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 12-07-2009

Address: 6125 TELEGRAPH AVE, OAKLAND, 94609

Well ID#: MW-7

Personnel: SERBAN P.

Weather: SUNNY

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
Total Well Depth (ft):	17.45
Depth To Water (ft):	13.16
Water Column (ft):	4.29

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

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

Estimated Purge Volume (gal): 4.29 (water column) x 0.49 (multiplier) = 2.10

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
8:40	0	START PURGING					
8:41	1	1					
8:42	1	1					
8:43	1	1					
8:44	1	1					
8:45	1	1					

DTW immed. after purge (ft): 13.11 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm):

RECOVERY CALCULATION

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

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

SAMPLING DATA

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

Comments:

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-03-09

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - MAINTENANCE PUMP IN MW-3
- REPLACE FILTERS FOR FILTER REGULATOR UNIT FOR MW-3 AND MW-4 PUMP.

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 12-02-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHANGE OIL AND FILTER FOR COMPRESSOR
- MAINTENANCE TRANSFER PUMP

EARTH MANAGEMENT CO.
Environmental Remediation

063

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 11-25-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHANGE OIL FOR COMPRESSOR
- CHECK PUMP IN MW-3

063

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 11-23-2009

Address: 6125 TELEGRAPH AVE, OAKLAND 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:	9:00
Total Well Depth (ft):	17.44
Depth To Water (ft):	12.40
Water Column (ft):	5.04

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): 5.04 (water column) x 0.49 (multiplier) = 2.46

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					
9:16	1	1					
9:17	1	1					
9:18	1	1					
9:19	1	1					
9:20	1	1					

DTW immed. after purge (ft): 12.33 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [ ] (Water Column) x 0.20 + [ ] (DTW initial) = _____ ft

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

SAMPLING DATA

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

Comments:

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 11-19-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHECK AND MAINTENANCE PUMP IN MW-3
- CHECK LIDS FOR ALL WELLS FOR WEAR AND DAMAGE

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 11-18-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHECK FILTER/REGULATOR UNIT
- REPLACE FILTER FOR FILTER/REGULATOR
FOR COMPRESSOR

063

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 11-16-2009

Address: 6125 TELEGRAPH AVE, OAKLAND, 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:	9:00	Well casing dia. (in)	2
Total Well Depth (ft):	17.44	Depth To Product (ft)	
Depth To Water (ft):	12.31	Product Thickness (ft)	
Water Column (ft):	5.13		

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): 5.13 (water column) x 0.49 (multiplier) = 2.50

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:30	0	START PURGING					
9:31	1	1					
9:32	1	1					
9:33	1	1					
9:34	1	1					
9:35	1	1					

DTW immed. after purge (ft): 12.28 Actual purged volume (gal): 5 Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☐ Total Well Depth: 80% Recovery = [ ] (Water Column) x 0.20 + [ ] (DTW Initial) = _____ 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):
11.16.09	am / pm			

Depth To Water Before Sampling (ft)

Notes:

Comments:

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EARTH MANAGEMENT CO.

Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :

MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 11-12-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - MAINTENANCE TRANSFER PUMP
- REPLACE AIR FILTER AND CHANGE OIL FOR COMPRESSOR.

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 11-11-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - MAINTENANCE TRANSFER PUMP
- MAINTENANCE PUMP IN MW-4
- REPLACE FILTERS FROM FILTER REGULATOR UNIT.

(063)

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 11-09-2009

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:	9:00	Well casing dia. (in)	2
Total Well Depth (ft):	17.46	Depth To Product (ft)	
Depth To Water (ft):	12.35	Product Thickness (ft)	
Water Column (ft):	5.11		

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): 5.11 (water column) x 0.49 (multiplier) = 2.5

PURGING DATA

Time (hh:mm)	Time (min)	Volume removed (gallons)	Temp °F or °C	pH	Cond µS	Turbidity	Observations
9:15	0	START PURGING					
9:16	1	1	72.3	5.81	1240	CLEAR	
9:17	1	1	72.6	5.86	1310	CLEAR	
9:18	1	1	72.4	6.01	1320	CLEAR	
9:19	1	1	72.3	6.09	1320	CLEAR	
9:20	1	1	72.5	6.09	1310	CLEAR	

DTW immed. after purge (ft): 12.33 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [ ] (Water Column) x 0.20 + [ ] (DTW Initial) = _____ 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):
11.09.09	N/A am / pm			

Depth To Water Before Sampling (ft)

Notes:

Comments:

063

H.O. REPORT

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063

Date: 11-02-2009

Address: 6125 TELEGRAPH AVE, OAKLAND 94609

Well ID#: MW-7

Personnel: SERBAN P.

Weather: SUNNY DAY

Purging Equipment:

☑ Bailer ☐ Disposable Bailer ☐ Diaphragm Pump ☐ Vacuum Truck ☐ Electric submersible ☐ Extraction Pump ☐ Pneumatic submersible ☐ Other

Sampling Equipment:

☑ Disposable Bailer ☐ Other

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

Time of measurement:	9:00
Total Well Depth (ft):	17.44
Depth To Water (ft):	12.36
Water Column (ft):	5.08

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): 5.08 (water column) x 0.49 (multiplier) = 2.4

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					
9:16	1	1	72.3	6.03	1320	CLEAR	
9:17	1	1	72.1	5.93	1320	CLEAR	
9:18	1	1	72.0	5.86	1320	CLEAR	
9:19	1	1	72.1	5.82	1330	CLEAR	
9:20	1	1	72.2	5.91	1320	CLEAR	

DTW immed. after purge (ft): 12.33 | Actual purged volume (gal): 5 | Avg Purge Rate (gpm): 1

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [5.08 (Water Column)] x 0.20 + [12.36 (DTW Initial)] = 13.37 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):
11.02.09	11:40 am / pm			

Depth To Water Before Sampling (ft): 13.06

Notes:

Comments:

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED :

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHECK PUMP IN MW-4
- MAINTENANCE TRANSFER PUMP
- CHECK BOLTS FOR WELDS AND REPLACE FEW

063

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 10-22-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: - CHECK PUMP IN MW-4
- MAINTENANCE TRANSFER PUMP
- REPLACE WATER HOSE BETWEEN TRANSFER PUMP AND FIRST CARBON DRUM

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

(26)

Site: THRIFTY OIL CO. # 063	Date: 10-20-2004
Address: 6125 TELEGRAPH AVE, OAKLAND 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:	8:30	Well casing dia. (in)	2
Total Well Depth (ft):	17.45	Depth To Product (ft)	
Depth To Water (ft):	13.16	Product Thickness (ft)	
Water Column (ft):	4.29		

Multipliers for purge volume estimation:

Well Dia	1"	2"	4"	5"	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): 4.29 (water column) x 0.49 (multiplier) = 2

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
9:00	0	START PURGING					
9:01	1	1					
9:02	1	1					
9:03	1	1					
9:04	1	1					
9:05	1	1					
DTW immed. after purge (ft): 13.14		Actual purged volume (gal): 5					Avg Purge Rate (gpm):

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [4.29 (Water Column)] x 0.20 + [13.16 (DTW Initial)] = 14.01 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):
10.20.04	11:30 am / pm			
Depth To Water Before Sampling (ft): 14.00	Notes:			

Comments:

EARTH MANAGEMENT CO. Environmental Remediation

FIELD DATA - GROUNDWATER PURGING & SAMPLING

Site: THRIFTY OIL CO. # 063	Date: 10-28-2009
Address: 6125 TELEGRAPH AVE, OAKLAND 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:	9:00	Well casing dia. (in)	2
Total Well Depth (ft):	17.44	Depth To Product (ft)	
Depth To Water (ft):	12.42	Product Thickness (ft)	
Water Column (ft):	5.03		

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): 5.03 (water column) x 0.49 (multiplier) = 2

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	---	---	---	---	
9:16	1	1					
9:17	1	1					
9:18	1	1					
9:19	1	1					
9:20	1	1					

DTW immed. after purge (ft): 12.39 *Actual purged volume (gal):* 5 *Avg Purge Rate (gpm):*

RECOVERY CALCULATION

Method: ☑ Total Well Depth: 80% Recovery = [5.03] (Water Column) x 0.20 + [12.42] (DTW initial) = 13.42 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):
10.28.09	11:30 am / pm			

Depth To Water Before Sampling (ft): 13.43

Notes:

Comments:

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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: 10-20-2004

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

FLOW METER READING: 2446620

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE: P. Dayon

(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: 10.15.2009

OBSERVATIONS AND COMMENTS: CHECK TRANSFER PUMP, DRAIN WATER FROM COMPRESSOR TANK, CHECK OIL, BELT, CHECK OIL FILTER, CHECK FILTERS FROM FILTER/REGULATOR UNIT

FLOW METER READING: 2445970

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

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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: 10.09.2009

OBSERVATIONS AND COMMENTS: CHECK BELT, OIL, CHECK TRANSFER PUMP, DRAIN WATER FROM COMPRESSOR TANK CHECK FILTERS FROM FILTER/REGULATOR UNIT

FLOW METER READING: 2445290

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

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: 09-30-2009

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK, CHECK OIL, BELT, CHECK TRANSFER PUMP, CHECK AIR HOSE FROM MW-3 PUMP,

FLOW METER READING: -2444430-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

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: 09-25-2009

OBSERVATIONS AND COMMENTS: RESTART SYSTEM AFTER O&M.

FLOW METER READING: 2443790

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM START P / SHUTDOWN REPORT

SITE: TOC (0.63)
ADDR: 6125 TELEGRAPH AVE
OAKLAND, CA. 94612
DATE: 04-25-2009
PERSON: SEDASH

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				2443790	
O	Other:					

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

OTHER NOTES:
RESTART SYSTEM AFTER G.W.S.

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

SYSTEM STARTUP / SHUTDOWN REPORT

SITE: TOC 063
ADDR: 6125 TELEGRAPH
OAKLAND 94609
DATE: 09-22-2009
PERSON: SERBAN D.

Remediation System Type: ☐ AS ☑ SVE ☐ DPE ☑ GWT ☐ FPR ☐ Other

System Type		Action		Hour Meter (hr)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		X		2443780	
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
SHUTDOWN SYSTEM FOR QWS

ALWAYS OBSERVE SAFETY PROCEDURES!

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
MAINTENANCE

C) NAME OF REPORTING PARTY AND DATE: SERBAN P.
D) DATE SCHEDULED : 09-18-2009

1) NAME: DATE/TIME
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? (YES)/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:
FLOW METER 2443460-

6) OTHER: -CHANGE OIL, CHECK PUMP IN MW-4,
REDUCE HOSE FROM TRANSFER PUMP TO 3RD DRUM BECAUSE WITH LEAK WATER FROM HOSE

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: 04-14-2009

OBSERVATIONS AND COMMENTS: INSPECTOR FROM EBMUD WAS TO TAKE WATER SAMPLING FROM OUTLET

FLOW METER READING: 244304

SAMPLES OBTAINED: OUTLET/SPLIT

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

MAINTENANCE & REPAIR REPORT

A) SS #: G.S.-0 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :
DELIVERY SAMPLED

C) NAME OF REPORTING PARTY AND DATE: SERBANA.
D) DATE SCHEDULED : 09-14-2009

DATE/TIME

1) NAME:
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER: TAKEN TO DELIVERY OFFICE
WATER SAMPLED FROM TOC 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: 09-09-2009

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

FLOW METER READING: -2442820-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

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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: 09-01-2009

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRAIN WATER FROM COMPRESSOR TANK, CHECK TRANSFER PUMP, DRAIN WATER FROM FILTER/REGULATOR UNIT, CHANGE HOSES BETWEEN TRANSFER PUMP AND FIRST DRUM

FLOW METER READING: —242070—

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

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 A

DATE OF INSPECTION: 08-25-2009

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHECK OIL, BELT, CHECK TRANSFER PUMP, CHECK HOSES AND DRUMS FOR LEAKS

FLOW METER READING: -244210-

SAMPLES OBTAINED: A1 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: 1.0

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: 08-18-2009

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

FLOW METER READING: 2440700

SAMPLES OBTAINED: NO

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: 1.4

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

INSPECTOR'S SIGNATURE: [signature]

EARTH MANAGEMENT CO.
Environmental Remediation

MAINTENANCE & REPAIR REPORT

063

A) SS #: 063 SYSTEM TYPE:
B) DEFICIENCY DESCRIPTION :

— MAINTENANCE —

C) NAME OF REPORTING PARTY AND DATE: SERBANA.
D) DATE SCHEDULED : 08-13-2009

DATE/TIME

1) NAME:
2) FINDINGS:

3) HAS THE JOB BEEN COMPLETED? YES/NO
IF "NO", PLEASE DESCRIBE WHY AND WHAT YOU NEED TO FINISH:

4) POST REPAIR TEST RESULTS:

5) THE CAUSE OF THE DEFICIENCY:

BRIEF INSTRUCTIONS FOR PREVENTIVE MAINTENANCE TO THE TECHNICIAN:

6) OTHER — MAINTENANCE PUMP FROM MW-3
— REPLACE HOSES FROM TRANSFER PUMP TO FIRST CARBON DRUM

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: 08-11-2009

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRUM COMPRESSOR TANK, CHECK TRANSFER PUMP, CHECK FOR LEAK HOSES AND DRUMS.

FLOW METER READING: 2439980

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: 2.2

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

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

INSPECTOR'S SIGNATURE: S Dogra

(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: 08-03-2009

OBSERVATIONS AND COMMENTS: DRAIN WATER FROM COMPRESSOR TANK, CHECK OIL, BELT, CHECK TRANSFER PUMP, CHECK HOSES AND DRUMS FOR LEAKS

FLOW METER READING: 2439360-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

(06-2

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: 07-29-2009

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, DRAIN WATER FROM COMPRESSOR TANK, DRAIN WATER FROM FILTER/REGULATOR UNIT, CHECK TRANSFER PUMP, CHECK DRUMS FOR LEAKS

FLOW METER READING: 2438670

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: 8.1

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

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: 07.20.2009

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, CHECK TRANSFER PUMP, DRAIN WATER FROM COMPRESSOR TANK, CHECK FILTER/REGULATOR UNIT, CHECK DRUMS AND HOSES FOR LEAKS

FLOW METER READING: 2437950

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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: SERRATH P.

DATE OF INSPECTION: 07-14-2009

OBSERVATIONS AND COMMENTS: CHECK BELT, OIL, DRAIN WATER FROM COMPRESSOR TANK, CHECK HOSES AND DRUMS FOR LEAKS, CHECK FILTER FROM FILTER/REGULATOR UNIT,

FLOW METER READING: 2437200

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAN Q-

DATE OF INSPECTION: 07-06-2009

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

FLOW METER READING: -2436320-

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBIAK P.

DATE OF INSPECTION: 06-22-2009

OBSERVATIONS AND COMMENTS: REPLACED PRESSURE REGULATOR ON AIR COMPRESSOR

FLOW METER READING: -2435510-

SAMPLES OBTAINED: NCL

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: NO

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

INSPECTOR'S SIGNATURE:

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

NAME OF INSPECTOR: SERBAK P.

DATE OF INSPECTION: 06-16-2009

OBSERVATIONS AND COMMENTS: CHECK BELT, OIL, CHECK TRANSFER PUMP, CHECK DRUMS AND HOSES FOR LEAKS CHECK FILTER FROM FILTER/REGULATOR UNIT DRAIN WATER FROM COMPRESSOR TANK.

FLOW METER READING: 2434830

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:

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

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

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

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: 06-15-2009

OBSERVATIONS AND COMMENTS: SYSTEM WATER BANDLING

FLOW METER READING: -243720-

SAMPLES OBTAINED: 4 EA

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: 1.0

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

INSPECTOR'S SIGNATURE:

(63)

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 06-08-2009

OBSERVATIONS AND COMMENTS: CHECK BELT, CHECK OIL, DRAIN WATER FROM COMPRESSOR TANK CHECK TRANSFER PUMP, DRAIN WATER FROM FILTER/REGULATOR UNIT, CHECK HOSES AND DRUMS FOR LEAKS

FLOW METER READING: 2434090 —

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: 2.2

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

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

INSPECTOR'S SIGNATURE: [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 246253
REPORTED 12/23/2009
RECEIVED 12/12/2009

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
1043151	TOC #063 INT-1
1043152	TOC #063 INT-2
1043153	TOC #063 INLET
1043154	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 #: 1043151
Matrix: WATER

Client Sample ID: TOC #063 INT-1
Date Sampled: 12/10/2009 **Time Sampled:** 13:[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/15/09 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/15/09 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/15/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/15/09 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/15/09 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/15/09 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/15/09 LZ
Toluene	ND	1.0	5	0.24	ug/L	12/15/09 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	12/15/09 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	118				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/16/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	71				%	60 - 140

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

Order #: 1043152 **Client Sample ID:** TOC #063 INT-2
Matrix: WATER **Date Sampled:** 12/10/2009 **Time Sampled:** 13:2[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	142	1.0	1	0.18	ug/L	12/15/09 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/15/09 LZ
Ethyl benzene	271	10.0	50.0	2.1	ug/L	12/16/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/15/09 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/15/09 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/15/09 LZ
Tertiary butyl alcohol (TBA)	90	1.0	10	5.2	ug/L	12/15/09 LZ
Toluene	1020	10.0	50.0	2.4	ug/L	12/16/09 LZ
Xylenes, total	1760	10.0	50.0	4.5	ug/L	12/16/09 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	100				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	94				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015B - Gasoline						
Gasoline	8700	10.0	500.0	66.0	ug/L	12/16/09 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 #: 1043153 **Client Sample ID:** TOC #063 INLET
Matrix: WATER **Date Sampled:** 12/10/2009 **Time Sampled:** 13:[illegible]

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	177	10.0	10.0	1.8	ug/L	12/15/09 LZ
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	12/15/09 LZ
Ethyl benzene	481	10.0	50.0	2.1	ug/L	12/15/09 LZ
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	12/15/09 LZ
Methyl-tert-butylether (MTBE)	ND	10.0	10.0	1.9	ug/L	12/15/09 LZ
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	12/15/09 LZ
Tertiary butyl alcohol (TBA)	ND	10.0	100.0	52.0	ug/L	12/15/09 LZ
Toluene	1560	10.0	50.0	2.4	ug/L	12/15/09 LZ
Xylenes, total	2920	10.0	50.0	4.5	ug/L	12/15/09 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	103				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	116				%	70 - 135
8015B - Gasoline						
Gasoline	15400	20.0	1000.0	132.0	ug/L	12/16/09 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	97				%	60 - 140

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

Order #: 1043154 **Clier' Sample ID:** Laboratory Method Blanl

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	12/15/09 LZ
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	12/15/09 LZ
Ethyl benzene	ND	1.0	5	0.21	ug/L	12/15/09 LZ
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	12/15/09 LZ
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	12/15/09 LZ
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	12/15/09 LZ
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	12/15/09 LZ
Toluene	ND	1.0	5	0.24	ug/L	12/15/09 LZ
Xylenes, total	ND	1.0	5	0.45	ug/L	12/15/09 LZ
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	103				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	98				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	118				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	12/16/09 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

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: December 16, 2009

Analysis Date 12/16/09-12/17/09

Lab ID#'s in Batch: 246319 , 246228 , 246253 , 246319 .

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	408	395	82	79	3

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

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	84
LCS	95
LCSD	92

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

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

Sample ID: *MS/MSD Water Sample* 246132-814
Date Prepared: December 15, 2009
Date Analyzed: 12/15-12/16
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: LR246228, 246253. 246230, 246135, 246132, 246110

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	53.80	54.50	108	109	1	22	59 - 172
MTBE	0.00	50.0	56.40	55.00	113	110	3	24	62 - 137
Benzene	0.00	50.0	56.90	56.00	114	112	2	24	62 - 137
Trichloroethene	0.00	50.0	52.00	52.20	104	104	0	21	66 - 142
Toluene	0.00	50.0	50.20	49.80	100	100	1	21	59 - 139
Chlorobenzene	0.00	50.0	52.50	51.80	105	104	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.70	105	59 - 172
MTBE	50.0	55.80	112	62 - 137
Benzene	50.0	56.20	112	62 - 137
Trichloroethene	50.0	50.00	100	66 - 142
Toluene	50.0	49.20	98	59 - 139
Chlorobenzene	50.0	50.80	102	60 - 133

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	103	106		108	104		104	70 - 135
,2-Dichloroethane-d4	98	101		103	103		101	70 - 135
Toluene-d8	100	99		94	93		93	70 - 135
-Bromofluorobenzene	118	118		109	109		112	70 - 135

ASSOCIATED LABORATORIES

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

Sample ID: *MS/MSD Water Sample* 246372-725
Date Prepared: December 16, 2009
Date Analyzed: 12/16-12/17
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: LR246241, 246132, 246253, 246230, 246372, 246359

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	55.00	58.90	110	118	7	22	59 - 172
MTBE	0.00	50.0	57.50	57.80	115	116	1	24	62 - 137
Benzene	0.00	50.0	58.60	61.60	117	123	5	24	62 - 137
Trichloroethene	0.00	50.0	49.70	51.90	99	104	4	21	66 - 142
Toluene	0.00	50.0	48.70	50.80	97	102	4	21	59 - 139
Chlorobenzene	0.00	50.0	50.00	50.50	100	101	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	50.40	101	59 - 172
MTBE	50.0	57.60	115	62 - 137
Benzene	50.0	55.60	111	62 - 137
Trichloroethene	50.0	45.70	91	66 - 142
Toluene	50.0	45.80	92	59 - 139
Chlorobenzene	50.0	46.50	93	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	99	99		100	101		103	70 - 135
1,2-Dichloroethane-d4	96	97		98	101		97	70 - 135
Toluene-d8	93	93		89	89		89	70 - 135
p-Bromofluorobenzene	113	109		102	104		103	70 - 135

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

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: JOC
Date Received: 12/12
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: ~~EB~~ SYS water
Sampler's Name: ~~Yes~~ (Yes) No

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

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

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
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 headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?	✓		
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: 12/12/05

Chain of Custody Record

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

A.L. Job No. 246253 Page 1 of 1

Company	THRIFTY OIL CO.
Phone	562(921-3581)
Project Manager	JEFF SUDYARUSUMA
Fax	562(921-7510)
Project Name	SYSTEM 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: TDH (8015M)	Analysis Requested: BTEX (8260B)	Analysis Requested: OXYGENATES (8260B)	Test Instructions & Comments
1	INT.-1		12.10.09	13:15	H_2O	4-VOA	HCL	X	X	X	
2	INT.-2		12.10.09	13:25	H_2O	4-VOA	HCL	X	X	X	
3	INLET		12.10.09	13:35	H_2O	4-VOA	HCL	X	X	X	
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:	E.M.C.		
Signature:			
Printed Name:			
Date:	12.10.09		
Time:	16:00		
Received By:	G.S.O.	2.	3.
Signature:			
Printed Name:			
Date:		12/10/09	
Time:		1600	

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