THRIFTY OIL CO.

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January 15, 2007

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Mr. Steven Plunkett Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, CA 94502 Local #RO0000005 RWQCB #01-1479

RE: Former Thrifty Oil Co. Station #063
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
4th Ouarter 2006, Status Report

Dear Mr. Plunkett:

Presented herein is the 4th Quarter 2006, Status Report prepared by Equipoise Corporation (Equipoise) dated January 2, 2007 for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report presents the results of the site monitoring and remedial activities in the fourth quarter of 2006. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling and remedial system monitoring activities at this site.

Should you have any questions regarding this report, please contact Tim Nelligan of Equipoise at (949) 366-0275 or Jeff Suryakusuma at (562) 921-3581 (x311).

Respectfully submitted,

Chris Panaitescu General Manager

Environmental Affairs

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

File



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ENVIRONMENTAL
SS#063
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Fourth Quarter 2006 Quarterly Status Report Former Thrifty Oil Co. Station #063 6125 Telegraph Avenue Oakland, California

Local RO# 0000005
Facility Global ID No. T0600101366
EDF Confirmation No. 951989070

Prepared for

Thrifty Oil Co.
13116 Imperial Highway
Santa Fe Springs, California 90670

Equipoise Project No. CA135.063.4Q 06

January 2, 2007

Prepared by:



1401 North El Camino Real, Suite 107 San Clemente, California 92672 (949) 366-0275 Fax:(949) 366-0281

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063 Fourth Quarter 2006

Reporting Period: 10/1/06 to 12/31/2006

Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	951989070
Lead Agency No.:	Local #RO000005
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Steven Plunkett / 510 383-1767
Project Manager:	Jeff Suryakusuma / 562-921-3581 ext. 3
Activity:	
Groundwater wells onsite:	5
Groundwater wells offsite:	0
Date(s) monitored:	10/25/2006
Date(s) sampled:	10/25/2006
Groundwater wells gauged:	5
Groundwater wells sampled:	5
Purging method:	Bailer / Pump
Treatment / disposal method during sampling event:	Drums – Safety-Kleen pickup
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
ydrogeology:	
Depth to groundwater (feet bgs):	12.96 to 17.49
Groundwater elevation (feet above mean sea level):	82.27 to 89.02
Groundwater gradient and flow direction:	Southwest at approximately 0.0461 ft./ft
Consistent with previous quarter:	Consistent with previous quarters

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Groundwater Conditions:

TPHg concentration (ug/L):	ND<5.6 to 87,100
Benzene concentration (ug/L):	ND<0.32 to 51
Toluene concentration (ug/L):	ND<0.1 to 4,880
Ethyl benzene concentration (ug/L):	ND<0.24 to 2,390
Total Xylenes concentration (ug/L):	ND<0.3 to 18,500
MTBE concentration (ug/L):	ND<0.63 to 2,050
DIPE concentration (ug/L):	ND<0.29 to <2.9
ETBE concentration (ug/L):	ND<0.17 to <1.7
TAME concentration (ug/L):	ND<0.28 to 18
TBA concentration (ug/L):	ND<10 to 1,060

Remediation Activity:

	System type:	GWPT
	System start-up:	4/8/1991
	Operation this quarter (hrs.):	NA
	Cumulative Operation (hrs.):	NA
	GW discharge this quarter (gal.):	18,800
	Total GW discharge (gal.):	2,804,409
	Hydrocarbons extracted this quarter (lbs.):	NA
	Total hydrocarbons extracted (lbs.):	NA
	Hydrocarbon removal rate (lbs/hour) from	NA
	startup	
	Hydrocarbon removal rate (lbs/hour) this	NA
****	quarter	

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Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. A groundwater elevation contour map based on the October 25, 2006, data is presented in **Figure 2**. The groundwater flow direction is to the southwest at an approximate gradient of 0.0461 feet/foot.

The depth to water reading from well MW-3 was considered an anomaly due to the fact that the groundwater pump and treat system was shut off the day before.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, and MW-6 on October 25, 2006. Groundwater samples were obtained by 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 8015M, and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) and other oxygenates by EPA Method 8260B. Laboratory analytical sampling results are provided in **Table 1** and **Table 2**. Copies of the EMC Field Status Reports for groundwater sampling are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, benzene, and MTBE isoconcentration maps results are presented in **Figures 3, 4,** and **5**, respectively. Laboratory results indicate the highest concentration of TPHg was detected in monitoring well MW-3 with a concentration of 87,100 micrograms per liter (ug/L). This TPHg concentration appears to be anomalous and maybe due to laboratory or field sampling error. Therefore, re-sampling of MW-3 will be conducted in January 2007 to confirm or deny this result. The highest benzene and MTBE concentrations were detected in monitoring well MW-4 with concentrations of 51 ug/L and 2,050 ug/L, respectively.

Remediation Status

Site remedial activities were initiated in April 1991. Currently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. System operational data is included in **Table 3** and **Appendix C**. During this reporting period from September 20, 2006 through December 7, 2006, the groundwater treatment system processed approximately 18,800 gallons of groundwater and has treated approximately 2,804,409 gallons of groundwater since start-up (April 1991).

The system was upgraded in the 2nd Quarter 2005, consisting of a pump replacement in well MW-3 and the adding of well MW-4 to the extraction well array. On May 10, 2005, the system

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was restarted with a new pump in well MW-3; and on May 13, 2005, a pump was installed in well MW-4. The pump in well MW-4 was started on May 20, 2005.

Other Activities

In a letter received by Thrifty dated December 7, 2005, the Alameda County Health Care Services (ACHCS) requested site information including depth to water, groundwater flow direction, dissolved constituents concentrations, well screen levels, plume stability, and if active remediation was occurring onsite. Thrifty forwarded 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 on April 26, 2006.

In another letter received by the Thrifty dated October 24, 2006, the ACHCS requested a Revised SCM and an offsite investigation workplan. On behalf of Thrifty, Equipoise uploaded the RSCM and Workplan to Geotracker and the ACHCS FTP website on November 29, 2006.

Activities Planned for 1st Quarter 2007

The following activities are planned for next reporting period (1st Quarter 2007):

- Continue groundwater monitoring and sampling;
- Continue operations of the groundwater remediation system;
- Upon approval of the offsite investigation workplan, an access agreement with the adjacent property will be procured; and
- Upon execution of the access agreement, the offsite investigation will be conducted.

Closing Comments

All interpretations expressed in this report are based solely upon the review of data collected by EMC, Equipoise, and Associated Laboratories.

No. 68666 Exp.

Sincerely,

Timothy E. Nelligan, P.E.

Senior Engineer
Equipoise Corporation

TABLES

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

	INACT DRY NOACC	= Groundwater we = Groundwater we = Presently no acce	ll is dry and cann	ot be sampled	monitoring progra	m B T E	= Benzene = Toluene = Ethylbenzene	•		DIPE ETBE TAME	 ■ Isopropyl ether = Ethyl-tert-buty = Tert-amyl met! 	f ether		DTB DTP PT	 Depth To Wate Depth To Botte Depth To Prod Product Thicks 	om luct	NP "-"		ection level indicat g value between M	
NOTE:	ACT	= Groundwater we	li currently used fo	or monitoring	<u> </u>	TPHg	= Total Petroleun	n Hydrocarbons i	as gasoline	МТВЕ	= Methyl-tert-bu	tyl ether		DTW	- Depth To Wate					
MW-6	ACT	10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	<0.29	<0.17	<0.28	<10	-	-	NP	13.00	26.80	0.00	100.44	87.44
MW-5	ACT	10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	<0.29	<0.17	<0.28	<10	-	-	NP	12.96	26.23	0.00	101.98	89.02
MW-4	ACT	10/25/06	12,100	51	162	<0.24	2,380	2,050	<2.9	<1.7	18	1060	-	-	NP	14.88	29.04	0.00	100.48	85.60
MW-3	ACT	10/25/06	87,100	26	4,880	2,390	18,500	<6.3	<2.9	<1.7	<2.8	<100	-	-	NP	17.49	28.20	0.00	99.76	82.27
MW-1	ACT	10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	<0.29	<0.17	2.4	11	-	-	NP	15.13	28.94	0.00	99.34	84.21
WELL	Status	Sampl. Date	TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	F TAME (ug/L)	TBA (ug/L)	ETH (mg/L)	METH (mg/L)		NITORING DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	ATION GW (feet)

≈ Pump in WELL affected DTW

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

DATE						(101\ #003, OA					
		1		PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ng/L)	= (ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
		-								1	uccy
	WELL #MW-1			Screen Interval	= 15 to 30 feet						
11/21/86	-	-	-	-	-	-	NP	15.42	0.00	99.34	00.00
07/22/91	-	-	-	-	_	-	FILM	20.41	0.00	99.34	83.92
10/24/91	-	-	-	-	-	-	SHEEN	19.06	0.00	99.34	78.93
01/22/92	-	-	-	-	-	-	SHEEN	18.78	0.00		80.28
03/24/92	-	-	-	-	-		SHEEN	13.55	0.00	99.34	80.56
07/15/92		-	-	-	-	<u> </u>	FILM	18.90	0.00	99.34	85.79
10/05/92	-	-	-	-	-		FILM	20.50		99.34	80.44
01/06/93	-	-	-	-	-	_	FILM	14.93	0.00	99.34	78.84
07/13/93	-	-	-		_		FILM	15.44	0.00	99.34	84.41
10/11/93	-	-	-			† 	FILM	20.36	0.00	99.34	83.90
01/11/94	-	-		-	-	_	FILM	19.50	0.00	99.34	78.98
04/12/94	-	-	-	-	_	 	FILM		0.00	99.34	79.84
07/14/94	-	-	_	-	-	<u> </u>	FILM	18.10	0.00	99.34	81.24
01/15/96	11,000	2,800	150	780	770	-	NP NP	20.03	0.00	99.34	79.31
04/15/96	17,000	3,600	330	1,500	3,400		NP NP	19.02	0.00	99.34	80.32
07/15/96	12,000	1,300	200	1,200	4,600	250	NP NP	18.82	0.00	99.34	80.52
10/09/96	-	-	-		- 4,000	- 230	\	#N/A	-		_
01/13/97	27,000	810	6,000	570	4,100	2,700	NP NP	14.87	0.00	99.34	84.47
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900	NP	10.20	0.00	99.34	89.14
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	NP	#N/A		-	-
10/16/97	680	<0.3	0.55	<0.3	<0.5	10,000		18.75	0.00	99.34	80.59
01/07/98	42,000	980	2,800	1,200	5,200	1.3	NP NT	17.92	0.00	99.34	81.42
04/06/98	7,100	700	340	170	2,600	1,000	NP NP	9.80	0.00	99.34	89.54
07/14/98	19,000	2,100	400	890	5,800	1,600	NP NP	9.60	0.00	99.34	89.74
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	NP NP	13.70	0.00	99.34	85.64
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	NP	15.25	0.00	99.34	84.09
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 NP	12.20	0.00	99.34	87.14
10/07/99	130	<0.3	<0.3	<0.3	<0.5	270	NP	13.75	0.00	99.34	85.59
01/26/00	13,000	460	54	290	3,700	940	NP	12.15	0.00	99.34	87.19
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	NP	13.14	0.00	99.34	86.20
05/26/00	<50	<0.3	<0.3	<0.3	<0.6		NP	10.63	0.00	99.34	88.71
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5 <5	NP	9.11	0.00	99.34	90.23
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.10	0.00	99.34	90.24
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP NP	9.08	0.00	99.34	90.26
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	NP	12.16	0.00	99.34	87.18
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	10.60	0.00	99.34	88.74
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP NP	9.07	0.00	99.34	90.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26		NP	12.16	0.00	99.34	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24 <0.24	NP	15.23	0.00	99.34	84.11
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24 <0.24	NP NP	15.17	0.00	99.34	84.17
				70.10	~0.20	\0.24	NP	16.71	0.00	99.34	82.63

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

DATE			ANALYTICAL	PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ng/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
									· ·		
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
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 07/26/06	<5.6 8,850	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
10/25/06	<5.6	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/00	<3.0	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
		<u> </u>	L	J			<u> </u>	<u> </u>			
1											
MONITORING	WELL#MW-2			Screen Interval	= 15 to 30 fant						
MONITORING 11/21/86	WELL #MW-2 -	-	-	Screen Interval =	= 15 to 30 feet -	T -	T 011	14.00	14.70	100.01	
		-		Screen Interval =	= 15 to 30 feet - -		0.11	14.90	14.79	100.01	96.28
11/21/86	-		-	-	-	-	0.38	17.84	14.79 17.46	100.01	95.35
11/21/86 07/22/91	-	-	-	-	= 15 to 30 feet - - - -	- - - -	0.38 16.97	17.84 17.00	14.79 17.46 0.03	100.01 100.01	95.3 <i>5</i> 83.03
11/21/86 07/22/91 10/24/91	-	-	-	-	-	-	0.38 16.97 FILM	17.84 17.00 16.72	14.79 17.46 0.03 0.00	100.01 100.01 100.01	95.35 83.03 83.29
11/21/86 07/22/91 10/24/91 01/22/92	-	-		-	-	-	0.38 16.97 FILM 11.98	17.84 17.00 16.72 15.81	14.79 17.46 0.03 0.00 3.83	100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92	-	-		-		-	0.38 16.97 FILM	17.84 17.00 16.72 15.81 16.37	14.79 17.46 0.03 0.00 3.83 0.00	100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93				-		-	0.38 16.97 FILM 11.98 FILM	17.84 17.00 16.72 15.81	14.79 17.46 0.03 0.00 3.83 0.00 0.32	100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93				-	- - - - - -		0.38 16.97 FILM 11.98 FILM 18.09	17.84 17.00 16.72 15.81 16.37 18.41	14.79 17.46 0.03 0.00 3.83 0.00 0.32	100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93		- - - - - -	- - - - - - -	-	- - - - - -		0.38 16.97 FILM 11.98 FILM 18.09 FILM	17.84 17.00 16.72 15.81 16.37 18.41 12.37	14.79 17.46 0.03 0.00 3.83 0.00 0.32	100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94		- - - - - - -					0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94		- - - - - - -			- - - - - - - - - - - - - - - - - - -		0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94		- - - - - - - - -	- - - - - - - - - - -	-	- - - - - - - - - - - - - - - - - - -		0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - 280	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	280 59 51	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 10/09/96					- - - - - - - - - - - - - - - - - - -		0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20 17.26 #N/A 14.42	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81 82.75
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96							0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20 17.26 #N/A 14.42 10.25	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 17.95 16.95 0.00 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81 82.75
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96 01/13/97							0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20 17.26 #N/A 14.42 10.25 #N/A	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81 82.75
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96 01/13/97 04/14/97							0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20 17.26 #N/A 14.42 10.25 #N/A 17.20	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00 0.00 0.00 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81 82.75
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96 01/13/97							0.38 16.97 FILM 11.98 FILM 18.09 FILM FILM 0.10 0.03 FILM FILM NP NP NP	17.84 17.00 16.72 15.81 16.37 18.41 12.37 15.19 18.05 16.98 15.54 17.93 17.20 17.26 #N/A 14.42 10.25 #N/A	14.79 17.46 0.03 0.00 3.83 0.00 0.32 0.00 0.00 17.95 16.95 0.00 0.00 0.00 0.00 0.00	100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01	95.35 83.03 83.29 87.09 83.64 81.84 87.64 84.82 95.51 95.83 84.47 82.08 82.81 82.75 - 85.59 89.76

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

DATE		F-15	ANALYTICAL	PARAMETERS**			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ag/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
			Well Aband	oned 1/30/98							
MONITORING	VELL #MW-3		3.				100	(GROUNDWATER S	YSTEM'S PUMPING I	WELL)	
11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	_	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-		-		NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-		-	SHEEN	25.80	0.00	99.76	73.96
03/24/92		•	-	<u>.</u>	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	<u>-</u>	-	<u> </u>	NP	25.20	0.00	99.76	74.56
01/06/93		-	-		-		NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52
10/11/93	-	-		-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-		-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-		<u>.</u>	-	-	-	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	-	-	-	-	-	. <u>-</u>	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

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

DATE			ANALYTICAL	PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
								1		(reer)	(icci)
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	- 83.00
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
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	·	·	L		<u> </u>						
<i>TONITORING</i>	WEYL WARRY										
	WELL #MW-4	T 2 200		Screen Interval =		Phys (1984)					
11/21/86	WELL #MW-4	3,200	2,700	Screen Interval = 2,400	= 9 to 29 feet 14,000		FILM	16.22	0.00	99.48	83.26
11/21/86 07/22/91	100,000	-	2,700	2,400	14,000	-	FILM 21.35	16.22 21.80	0.45	99.48 99.48	
11/21/86 07/22/91 10/24/91	100,000	 			14,000 - -		FILM 21.35 SHEEN	16.22 21.80 20.02	0.45 0.00	99.48	83.26
11/21/86 07/22/91 10/24/91 01/22/92	100,000 - - -	-	2,700	2,400 - - -	14,000	-	FILM 21.35 SHEEN SHEEN	16.22 21.80 20.02 19.78	0.45 0.00 0.00	99.48 99.48 99.48 99.48	83.26 78.02
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92	100,000	-	2,700	2,400 - - - -	14,000 - - - -	- - - -	FILM 21.35 SHEEN SHEEN FILM	16.22 21.80 20.02 19.78 13.94	0.45 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92	100,000 - - - - -	-	2,700 - - - - - -	2,400 - - - - -	14,000 - - - - -	-	FILM 21.35 SHEEN SHEEN FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27	0.45 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92	100,000 - - -	-	2,700 - - - - - -	2,400 - - - - - - -	14,000 - - - - - - -	- - - - - -	FILM 21.35 SHEEN SHEEN FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44	0.45 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93	100,000 - - - - -		2,700 - - - - - - -	2,400 - - - - - - - -	14,000 - - - - - - - -		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08	0.45 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93	100,000 - - - - - - - -	-	2,700 - - - - - - - - -	2,400 - - - - - - - - -	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93	100,000	-	2,700 - - - - - - - - -	2,400 - - - - - - - -	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93	100,000		2,700 - - - - - - - - -	2,400 - - - - - - - - - -	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94	100,000	-	2,700 - - - - - - - - -	2,400 - - - - - - - - - -	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94	100,000		2,700 - - - - - - - - - - -	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94	100,000	- - - - - - - - - -	2,700 - - - - - - - - - - -	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96	100,000	- - - - - - - - - - - - - - - - - - -	2,700	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96	100,000	- - - - - - - - - - 370	2,700	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62 #N/A	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96	100,000	- - - - - - - - - - 370	2,700	2,400	14,000	- - - - - - - - - - - - - - - - - - -	FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62 #N/A 15.32	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96	100,000	- - - - - - - - - 370 300 880	2,700	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62 #N/A 15.32 10.80	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96 01/13/97	100,000		2,700	2,400	14,000	- - - - - - - - - - - - - - - - - - -	FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62 #N/A 15.32 10.80 #N/A	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86
11/21/86 07/22/91 10/24/91 01/22/92 03/24/92 07/15/92 10/05/92 01/06/93 07/13/93 10/11/93 01/11/94 04/12/94 07/14/94 01/15/96 04/15/96 07/15/96 10/09/96 01/13/97	100,000		2,700	2,400	14,000		FILM 21.35 SHEEN SHEEN FILM FILM FILM FILM FILM FILM FILM FILM	16.22 21.80 20.02 19.78 13.94 19.27 21.44 14.08 16.09 21.33 20.45 19.05 20.41 19.89 19.62 #N/A 15.32 10.80	0.45 0.00 0.00 0.00 0.00 0.00 0.00 0.00	99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48 99.48	83.26 78.02 79.46 79.70 85.54 80.21 78.04 85.40 83.39 78.15 79.03 80.43 79.07 79.59 79.86 84.16 88.68

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

DATE			ANALYTICAL	PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	- XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
									(.55.)	(teet)	(ice)
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	<6	<6	<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	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	NΡ	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	<0.18	1	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	8	11	1	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 NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04 07/29/04	7,340 5,400	<11 <2.2	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
10/14/04	10,200	197	<3.2 <3.2	57 233	<4.0	6,730	NP	15.50	0.00	100.48	84.98
01/06/05	4,880	60	<3.2	74	13 J <4.0	3,940	NP	16.08	0.00	100.48	84.40
04/13/05	2,780	57	35	20	251	4,760 3,650	NP NP	15.24	0.00	100.48	85.24
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP NP	9.64	0.00	100.48	90.84
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP NP	16.79	0.00	100.48	83.69
01/19/06	4,780	96	1.9 J	183	57	210	NP NP	10.46	0.00	100.48	83.70
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	90.02
07/26/06	6,390	133	343	94	363	1,160	NP NP	15.18	0.00	100.48	87.79
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.30 85.60
				[- '-	7 7.00	0.00	100.46	83.60
	<u></u>	·*····								1	1
MONITORING	WELL #MW-5			Screen Interval =	- 7 to 27 feet						
11/21/86	<1,000	4.8	2.1	<0.5	7.4		NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31

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

	DATE ANALYTICAL PARAMETERS DEPTH TO DEPTH TO PRODUCT CASING CROHNDWATER												
DATE	100 Sept 200		ANALYTICAL	PARAMETERS -		4.2	DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER		
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION		
1.0	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)		
		1							(3.50.)	(teet)	(reer)		
01/22/92	600	21.0	8.0	2.0	17.0			#N/A	•	_			
03/24/92						_	NP	12.98	0.00	100.98	-		
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	_	NP	17.29	0.00	100.98	88.00		
10/05/92	-		-	-			NP	18.92	0.00	100.98	83.69		
01/06/93	300	2.7	<0.5	1.3	26.0	_	NP	13.12	0.00	100.98	82.06		
07/13/93	<100	1.1	0.5	1.0	1.5	_	NP	16.15	0.00	100.98	87.86 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	_		#N/A		-	- 82.72		
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	-	100.96	67.82		
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	-	100.58	- 90.08		
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	NP	15.20	0.00	101.98	86.78		
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.25	0.00	101.98	86.73		
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.96	0.00	101.98	86.02		
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	16.33	0.00	101.98	85.65		
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.80	0.00	101.98	87.18		
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5	NP	10.97	0.00	101.98	91.01		
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	14.43	0.00	101.98	87.55		
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	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		

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

DATE			- ANALYTICAL	PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
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 07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29
10/25/06	<5.6 <5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45
10/23/00	\\\ \omega_{J,0}	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02
	<u> </u>	<u> </u>	<u> </u>	l		<u> </u>	<u>L</u>	L		<u> </u>	
MONITORING	WELL #MW-6			Screen Interval =	- 7 37 6 4				927 000 000000		
11/21/86	<1,000	<2.0	<2.0	<2.0	- / to 2 / jeet <2.0	<u> </u>	ND		T .	T	
07/22/91		-	-		- \2.0		NP	12.64	0.00	99.44	86.80
01/22/92	<200	<0.5	<0.5	<0.5	1.5		<u> </u>	#N/A	-	-	
03/24/92	-	-	-		-		NP	#N/A 10.04	-	-	
07/15/92	<200	<0.5	<0.5	<0.5	<0.5		NP	13.29	0.00	99.44	89.40
10/05/92	-	-	-	_	-		NP	14.69	0.00	99.44	86.15
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	84.75
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	_	NP	13.10	0.00	99.44 99.44	88.57
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	86.34
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.01 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	-	-	65.26
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 07/07/97	<50 <50	<0.3	<0.3	<0.3	<0.5	<20		#N/A	-		
	}	<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 10/15/98	330 <50	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
01/20/99	<50 <50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.30	0.00	99.44	85.14
01/20/99	<>0	0.47	<0.3	<0.3	<0.5	<5	NP	13.60	0.00	100.44	86.84

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

DATE			ANALYTICAL	PARAMETERS			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWAT
MPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	PRODUCT	GROUNDWATER	THICKNESS	ELEVATION	ELEVATIO
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7/10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9/4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100,44	87.35
10/17/01	<50 ·	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100,44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100,44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	< 0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100,44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100,44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	< 0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44

NOTE:

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.

			6 88	GENATES		
	D	Ethyl-Tert-Butyl Ether	Tert-Amyl Methyl Ether	Tert-Butyl Alcohol	Ethaanol	Methanol
	Di-isopropyi Ether					
DATE	(DIPE)	(ETBE)	(TAME)	(TBA)	(ETH)	(METH)
SAMPLED	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
ONITORING WELL:	f 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	-	-	<u> </u>	<u> </u>		
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	<u> </u>	<u> </u>
ONITORING WELL						
10/16/97	<20	<20	<20	<500		
			Well Aba	ndoned 1/30/98		
				Ī		
	1	IR SYSTEM'S PUMPING W				
10/16/97	•	-	-	-		
01/05/00			1			
01/07/98		-	•	-		
04/03/98	- :	•		*		
04/03/98 07/14/03	<0.29	- <0.17	24	- 608		
04/03/98 07/14/03 10/08/03	<0.29 <0.29	<0.17 <0.17	24 30	- 608 <10		
04/03/98 07/14/03 10/08/03 01/15/04	<0.29 <0.29	- <0.17 <0.17	24 30	- 608 <10		
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04	- <0.29 <0.29 	- <0.17 <0.17 -	24 30 -	- 608 <10 		
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04	- <0.29 <0.29 	- <0.17 <0.17 - -	- 24 30 	- 608 <10 		
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04	- <0.29 <0.29 	- <0.17 <0.17 - - -	- 24 30 	- 608 <10 		-20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05	- <0.29 <0.29 <0.29	- <0.17 <0.17 - - - - - <0.17	- 24 30 	- 608 <10 24	<20	<20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05	- <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 - - - - <0.17 <0.17	- 24 30 	- 608 <10 24 <10	<20	<20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06	- <0.29 <0.29 	- <0.17 <0.17 <0.17 <0.17 <0.17 <0.17	- 24 30 	- 608 <10 24 <10 167	<20 <20	<20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06	- <0.29 <0.29 - - - - <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 	- 24 30 	- 608 < 10	<20 <20 <20	<20 <20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06	- <0.29 <0.29 - - - <0.29 <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 	- 24 30 	- 608 < 10	<20 <20 <20 -	<20 <20 <20 -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06	- <0.29 <0.29 - - - - <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 	- 24 30 	- 608 < 10	<20 <20 <20	<20 <20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06	- <0.29 <0.29 - - - <0.29 <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 	- 24 30 	- 608 < 10	<20 <20 <20 -	<20 <20 <20 -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06	- <0.29 <0.29 - - - <0.29 <0.29 <0.29 <0.29 <0.29 <0.29 <0.29	- <0.17 <0.17 	- 24 30 	- 608 <10	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06		- <0.17 <0.17 - 0.17 	- 24 30 	- 608 < 10	<20 <20 <20 -	<20 <20 <20 -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06		- <0.17 <0.17 - 0.17 	- 24 30	- 608 < 10	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06		- <0.17 <0.17 - 0.17 	- 24 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06	- <0.29 <0.29 	- <0.17 <0.17 - 0.17 	- 24 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 ONITORING WELLS 10/16/97 01/07/98 04/03/98 07/14/03		- <0.17 <0.17 - 0.17 	- 24 30 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 ONTORING WELL F 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03	- <0.29 <0.29 	- <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <0.17 <1.7 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.	- 24 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 07/26/06 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04		- <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <1.7 <0.17 <0.17 <1.7 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17 <0.17	- 24 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04		- <0.17 <0.17 - 0.17	- 24 30	- 608 <10	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 10/25/06 10/25/06 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04		- <0.17	- 24 30 30 30 30 30 30 - 30	- 608	<20 <20 <20 -	<20 <20 <20 - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 ONTORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04		- <0.17 <0.17	- 24 30	- 608	<20 <20 <20 - -	<20 <20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06 07/26/06 10/25/06 ONTORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05		- <0.17 <0.17	- 24 30	- 608	<20 <20 <20 - - - - - <20	<20 <20 <20 <20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/06 04/12/06 07/26/06 10/25/06 ONTORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05		- <0.17	- 24 30	- 608	<20 <20 <20	<20 <20 <20 - - - - - - - - - - - - - - - - - - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/06 04/12/06 07/26/06 10/25/06 0NITORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06		- <0.17 <0.17 - 0.17	- 24 30	- 608	<20 <20 <20 <20 <20 <20 <20 <20 <20 <20	<20 <20 <20 - - - - - - - - - - - - - - - - - - -
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/06 04/12/06 07/26/06 10/25/06 ONTORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06 04/12/06		- <0.17 <0.17 - 0.17	- 24 30	- 608	<20 <20 <20 <	<20 <20 <20 <20
04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/06 04/12/06 07/26/06 10/25/06 ONTORING WELL 10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04 10/14/04 07/27/05 10/12/05 01/19/06		- <0.17 <0.17 - 0.17	- 24 30	- 608	<20 <20 <20 <20 <20 <20 <20 <20 <20 <20	<20 <20 <20 - - - - - - - - - - - - - - - - - - -

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

			OXY	GENATES		
	Di-isoprapyl Ether	Ethyl-Tert-Butyl Ether	Tert-Amyl Methyl Ether	Tert-Butyl Alcohol	Ethaanol	Methanol
DATE	(DIPE)	(ETBE)	(TAME)	(TBA)	(ETH)	(METH)
SAMPLED	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
ITORING 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		l
07/14/03	< 0.29	<0.17	<0.28	<10]
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	•		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<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	-	
····						
······································	1		<u> </u>			
ITORING 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	-	•	-	-		1
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	•	
0.720700			<0.28	<10		

NOTE:

DIPB, ETBB, TAME, TBA analyzed by EPA Method 8260/8260B

	_	Total/Cum.				OUTLET / E	FFLUENT					INLET / II	NFLUENT		
Date	Totalizer (gallons)	Discharge	Flow (gal/day)	TPH-g	B	Ŧ	E	Х	MTBE	TPH-q	В	1	E	X	MTBE
	(genom)	(gallons)	1920921	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
4/9/4004	1,669	0													ug/L
4/8/1991 4/15/1991	5,742	4,073	582	-	<0.3 <0.3	<0.3	<0.3 <0.3	<0.9	•	-	1300	120	<7.5	1300	-
4/22/1991	10,240	8,571	643		<0.3	<0.3	<0.3	<0.3	-		700	140	<15	500	-
4/29/1991	15,510	13,841	753		<0.3	<0.3	<0.3	<0.9	<u> </u>	•	850	100	34	860	-
5/6/1991	20,200	18,531	670		<0.3	<0.3	<0.3	<0.9	-		220	8.4	<0.3	42	-
5/13/1991	24,430	22,761	604	<u> </u>	<0.3	<0.3	<0.3	<0.9	•	•	280	0.8	<0.3	56	-
5/20/1991	28,480	26.811	579	<u> </u>	<0.3	<0.3	<0.3		-	<u> </u>	190	5.6	<0.3	37	-
5/28/1991	29,310	27,641	104	<u> </u>	<0.3	<0.3	<0.3	<0.9 <0.9	-	-	150	0.83	1.4	29	
6/3/1991	33,080	31,411	628	-	<0.3	<0.3	<0.3	<0.9	-	· ·	<0.3	<0.3	<0.3	<0.9	-
6/10/1991	36,939	35,270	551	-	<0.3	<0.3	<0.3	<0.9	•	<u> </u>	58	4	<0.3	33	-
6/17/1991	40,673	39,004	533		<0.3	<0.3	<0.3	<0.9	-	-	45	<0,3	<0.3	16	
6/24/1991	44,453	42,784	540		<0.3	<0.3	<0.3	<0.9		-	69	4.9	0.9	21	-
7/1/1991	48,173	46,504	531		<0.5	<0.5	<1		-	•	5.4	2	<0.3	6.6	-
7/8/1991	51,681	50,012	501		<0.5	<0.5	<1	<1 <1	-	-	14	15	<1	9.1	•
7/15/1991	55,186	53,517	501		<0.5	<0.5	<1	<1	-	-	<0.5	<0.5	<1	6.9	
7/22/1991	62,150	60,481	995		<0.5	<0.5	<1	<1	-	-	<0.5	0.6	<1	6.3	-
7/29/1991	62,150	60,481	-		<0.5	<0.5	<1	<1	-		<0.5	<0.5	<1	2.6	-
8/5/1991	63,241	61,572	156	-	<0.5	<0.5	<1	<1	-		<0.5	<0.5	1.2	19	<u> </u>
8/12/1991	66,091	64,422	407	 .	<0.5	<0.5	<1	<1	-	<u> </u>	<0.5	<0.5	<1	<1	•
8/19/1991	67,649	65,980	223	l .	<0.5	<0.5	<1	. <1	 		2.6	<0.5	<1	12	•
8/26/1991	70,514	68,845	409		<0.5	<0.5	<1	<1	-		20	3.3	2.8	70	-
9/9/1991	70,564	68,895	4	·	<0.5	<0.5	<1	<1	-		<0.5 270	<0.5	1.2	19	-
9/16/1991	73,526	71,857	423	System shut down	due to damaged co			` -	-		270	10	13	69	
10/7/1991	73,526	71,857			<0.5	<0.5	<1	<1			-0.5				
10/14/1991	74,516	72,847	141	-	<0.5	<0.5	<1	<1		-	<0.5	<0.5	<1	3.8	
10/21/1991	76,091	74,422	225	-	<0.5	<0.5	<1	<1		-	60 <0.5	1.1	<1	23	-
10/28/1991	83,242	81,573	1,022		<0.5	<0.5	<1	<1	<u> </u>	-	<0.5	<0.5	<1	<1	-
11/3/1991	83,242	81,573	-	-	<0.5	<0.5	<1	<1	-		<0.5	<0.5 <0.5	<1	14	-
11/11/1991	84,351	82,682	139	-	<0.5	<0.5	<1	<1	<u> </u>	<u> </u>	99	1.9	<1	3.1	·
11/18/1991	85,647	83,978	185	•	<0.5	<0.5	<1	<1			42	1.9	<1	14	· · ·
11/25/1991	89,512	87,843	552	•	<0.5	<0.5	<1	<1	<u> </u>		<0.5		1	10	<u> </u>
12/3/1991	93,407	91,738	487	-	<0.5	<0.5	<1	<1			<0.5	<0.5 <0.5	<1 <1	3.9	-
12/9/1991	96,210	94,541	467	-	<0.5	<0.5	<1	<1	-		<0.5	<0.5		3.8	· -
12/16/1991	99,045	97,376	405	-	<0.5	<0.5	<0.5	<0.5	<u> </u>		1.3	<0.5	<1 <0.5	3.2	•
12/23/1991	102,334	100,665	470	-	<0.5	<0.5	<0.5	<0.5			1.7	<0.5	<0.5 <0.5	1.5	-
12/30/1991	105,124	103,455	399	-	<0.5	<0.5	<0,5	<0.5	-		22.6	1.2	<0.5 0.7	2.4 4.9	ļ <u>-</u>
1/15/1992	115,691	114,022	660	-	<0.5	<0.5	<0.5	<0.5	-		130	11	<0.5		
2/10/1992	124,846	123,177	352	-	<0.5	<0.5	<0.5	<0.5	-		20	0.51	<0.5	50	-
3/9/1992	149,965	148,296	897	<200	<0.5	<0.5	<0.5	<0.5	-	12,000	2,100	400	170	3.6 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	<2.5 <0.5	98 <0.5	<u> </u>
6/8/1992	190,490	188,821	119	•	<0.5	<0.5	<0.5	<0.5	-	· ·	44	3.7	0.7	<0.5 64	
7/6/1992	197,080	195,411	235	-	-	-	-	-	-	-				 	<u> </u>
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 f	or repair of electrica	l 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	

		Total/Cum.				OUTLET / E	FFLUENT					INLET / II	VELUENT		
Date	Tøtalizer (gallons)	Discharge	Flow	TPH ₂ g	8	Ŧ	E	Χ	MTBE	TPH-a	В	Ŧ	Ε	X	MTBE
	เลิสเกเลง	(gallons)	(gal/day)	ψg/L	ug/L	ugAL	ug/L	ua/L	ug/L	ua/L	ug/L	ug/L	ug/L	ug/L	
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0,5	<0.5	<1	ug/L
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	-	<200	<0.5	<0.5	<0.5	<1	
11/09/92	225,780	224,111	241		<0.5	<0.5	<0.5	<1		-	1,1	0,5	<0.5	10	-
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<1	-		720	46	<10	1,700	•
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1	-		400	32	<25	520	•
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	-	9,000	1,400	330	260	1,200	•
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1			1,100	150	7.5		-
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1		7,200	1,100	100	25	1,000	
04/26/93	271,290	269,621	-	System shut down	fo repair					7,200	1,100	100	25	780	
07/15/93	272,577	270,908	16	Restart the system	<u>—/</u> 1										ļ
08/11/93	284,230	282,561	432		<0.5	<0.5	<0.5	<1	-		1.3	-0.F	0.5		
09/16/93	298,832	297,163	406	<60	<0,3	<0.3	<0.3	<0.6		- <60	<0.3	<0.5 <0.3	<0.5	1.6	-
10/08/93	305,641	303,972	310	-	-		-		-				<0.3	<0.6	•
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	-0.0	-	-	
10/15/93	308,495	306,826	357	-		-				-00	~ 0.3	<0.3	<0.3	<0,6	-
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	-	- <50	<0,3		-		-
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5		<50 <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	<0.3	<0.3	<0.5	-
02/18/94	618,620	357,993		Changed air filters	. The water flowmer			10.0			430	41	36	480	-
03/10/94	627,540	366,913	446	-	<0,3	<0.3	<0.3	<0.5			-0.0				
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	-	170	<0.3	<0.3	<0.3	7.7	-
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5			1.5	<0.3	0.38	0.73	-
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	46	4.1	0.5	84	-
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	-	12,000	860	37	<13	1,600	-
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.3		•	<50	<0.3	<0.3	<0.3	<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 <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		-0.3	20.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
01/16/95	742,074	481,447		Sidem shut down	for repair of compres	1		-							
02/06/95	742,074	481,447		Restart the system		ssor pump									
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	.05								
03/13/95	758,930	498,303	531	<100	<0.5	<0.3 <0.5	<0.5	<0.5	•	<50	<0.3	<0.3	<0.5	<0.5	-
04/17/95	768,276	507,649	267	<100	<0.5	<0.5 <0.5	<0.5	<1	-	1,300	<0.5	<0.5	<0.5	<1	-
05/15/95	780,716	520,089	444	<100	<0.5 <0.5		<0.5	<1	-	6,200	410	73	97	280	-
06/12/95	784,514	523,887	136	<100	<0.5 <0.5	<0.5	<0.5	<1	<u> </u>	1,300	0.6	<0.5	<0.5	<1	-
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1		<100	<0.5	<0.5	<0.5	<1	-
08/14/95	795,216	534,589	39	<100	<0.5	<0.5 <0.5	<0,5	<1	-	1,100	<0.5	<0.5	<0,5	<1	-
09/06/95	797,631	537,004	105	<100	<0.5		<0,5	<1	-	170	<0.5	<0.5	<0.5	<1	•
10/17/95	800,316	539,689	65	<100	<0.5 <0.5	<0.5	<0.5	<1	-	1,320	<0.5	<0.5	<0.5	<1	
11/20/95	806,264	545,637	175	150	<0.5	<0.5	<0.5	<1	-	2,400	26	2.7	3.9	46	-
12/11/95	809,236	548,609	1/5	300	<0.3 <0.3	<0.3	<0.3	<0.5	-	450	0.31	<0.3	<0.3	<0.5	-
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	0.59	-	470	<0.3	<0.3	<0.3	<0.5	-
02/19/96	848,213	587,586	728	800	<0.3	<0.3	<0.3	<0.5	•	900	0.39	<0.3	<0.3	<0.5	-
02/19/96	849,587	588,960	47	930	<0.3	0.57	<0.3	0.83	-	1700	23	3.7	<0.3	80	-
03/19/96	852,042	588,960	91	990		<0.3	<0.3	<0.5	-	1,600	5,5	1.4	<0.3	94	-
04/13/90	002,042	J8 1,4 15	91	990	<0.3	<0.3	<0.3	<0.5	<u> </u>	1,100	0.43	<0.3	<0.3	<0.5	

	* Table 1	Total/Cum.	Flow			OUTLET / I	FFLUENT					INLET / I	NFLUENT		
Date	(gallons)	Discharge (galions)	(gal/day)	TPH-g	B ug/L	T ug/L	E tig/L	X ug/L	MTBE ug/L	TPH-g	В	Ŧ	E	X	MTBE
05/13/96	890,214	629,587	1,363	840	<0,3	<0.3	<0.3	<0.5		ad\r	ug/L	ug/L	ug/L	ug/L	ug/L
05/13/96	890,214	629,587	- ',,		for carbon change	10.0	-0.5		-	910	<0.3	<0.3	<0.3	<0,5	•
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		1000					
07/01/96	892,781	632,154	151	-			-0.0	-0,5	-	1,000	92	8.7	3.4	55	-
07/08/96	894,210	633,583	204	System shut down	due to burglary and	damaged sir com	I	<u> </u>	<u> </u>	<u> </u>					
08/05/96	894,210	633,583	-	Restart the system		1	1								
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5		3,500	400				
09/23/96	899,410	638,783	78	<50	<0,3	<0.3	<0,3	<0.5	-	<50	160 0,49	110	220	650	
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	-	730		<0.3	<0.3	<0.5	•
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	 	81	1.7 <0.3	0.42	2.1	2.5	-
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	-	<50		<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	<0.3	<0.3	<0.3	<0.5	-
02/10/97	912,610	651,983	285	82	<0.3	0.38	<0.3	<0.5	-		590	250	180	850	-
03/10/97	921,020	660,393	300	<50	<0.3	<0.3	<0.3	<0.5	-	700	0.92	0,75	<0.3	4.1	-
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5		600	<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	-	4,400	<0.3	<0.3	<0.3	<0.5	-
06/23/97	943,183	682,556	51	-		-0.0	-0.5		-	5,600	7.3	0.32	<0.3	17	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	-	-	<u> </u>		-	-	-
08/04/97	951,020	690,393	186		-0.0				ļ	1,500	3.4	<0.3	<0.3	26	•
09/02/97	957,933	697,306	238	System shut down	due to stolen air cor	I	-	-	ļ .	-	-	-	•	-	-
10/06/97	961,030	700,403	91	- Cyclem Shak Gowin	- Land to store in all con	ithiesso:	 				•	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	-0.5	•		<u>.</u>	-	-	-	-
11/17/97	970,920	710,293	308				-	<0.5		550	<0.3	<0.3	<0.3	<0.5	-
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		<u> </u>	-	•		-	-	-
02/02/98	996,874	736,247	173	130	70.3	<0.3	<0.3	<0.5	ļ:	65,000	690	8,400	3,100	20,000	•
02/09/98		736,247		System shut down	due to the UST repl		on somedaline	-	<u> </u>	•	•	·	-	-	
02/17/98		736,247		<50	<0.3	<0.3	<0.3	-0.5							
04/13/98	53,000	736,247	•	1	and restarted syster		1	<0.5	-	35,000	150	<15	<15	8,900	-
4/13 - 6/1/98	-	736,247	-		going several mainte										
06/01/98	53,780	737,027	16	-	joing doveral mainte	- piping/i	I replacement	-							
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	<u> </u>		-	-	-	-	-
08/13/98	59,426	742,673	84	-					-	3,500	14	0.56	<0.3	26	-
09/11/98	62,356	745,603	101	-		-	-	-	-	<u> </u>		-		-	•
10/15/98	62,714	745,961	11	<50	<0.3	<0,3	<0.3	<0.5	<u> </u>	-	•	-	-	-	-
11/06/98	62,952	746,199	11			70.3	20.3	<0.5	<u> </u>	2,200	21	4	<0.3	100	•
11/20/98		746,199		System shut down	for flowmeter replac		- -	-	-		-	-	-	-	-
12/01/98	0.0	746,199	-		with flowmeter at 0										-
12/31/98	5,340.0	751,539	178			-									-
01/11/99	15,020.0	761,219		System shut down	I		 		-	•	-	-	-	-	-
1/11 - 2/1/99	-	761,219			going maintenance	for the compress	1			-	-	<u> </u>	-	-	
01/20/99	_	761,219	-	<50	<0.3	<0.3	<0.3	<0.5							-
02/01/99	15,600.0	761,799		Restart system		-0.0		70,5		110	0.43	0.42	<0.3	<0.5	260
02/12/99	22,840.0	769,039	658	-		_	<u> </u>			ļ		ļ			
02/22/99	22,840.0	769,039		System shut down	for carbon canister i	enlacement	 			·	-	•	-	-	•
03/26/99	22,840.0	769,039		Restart the system		-F-maoillasir									
	CIA/ System			3.5 5,51611		L	I		L	L	L	J			

		Total/Cum				OUTLET / E	FFLUENT					INLET##	VELUENT		
Date	Totalizer	Discharge	Flow	TPH-g	8	Ŧ	E	X	MTBE	TPH-g	8	T	E	Х	MTBE
	(gallons)	(gallons)	(gal/day)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ugA	นตู/เ	ug/L	ug/L		
03/31/99	24,620.0	770,819	356	-	_	-			_	_	_	_	ugre	ug/L	ng/t
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<5	<50	<0.3	<0.3	<0.3	<0.5	- <5
05/11/99	36,010.0	782,209	256				-			-	-0.0	-0.0	70.5		
05/25/99	46,000,0	792,199	714	System shut down	due to carbon canis	terleakina							-		
09/02/99	46,000.0	792,199	-	Restart system		<u>_</u>			-						
09/17/99	46,217.0	792,416	14			-			-						
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	11	65	<0.3	<0.3	<0.3	<0.5	120
10/21/99	47,278.0	793,477	34	System shut down	for carbon change										120
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	<u> </u>
02/25/00	51,983.0	798,182	47	-	•	-	-		-	-	-	-			<u> </u>
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	_	*	
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	-	<50	1,3	<0.25	<0.25	<0.5	<5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-	-	· ·
05/26/00	60,086.0	806,285	79	-	-	-	-	-	-	923	<0.6	2	85	80	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	<5	3,820	<0.3	<0.3	<0.3	<0.6	3,740
07/26/00	65,987.0	812,186	102	<50 .	<0.3	<0.3	<0.3	<0.6	<5	<50	<0.3	<0.3	<0.3	<0.6	<5
08/25/00	68,630.0	814,829	88	-	-	-		•	•		-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	•	-	-		-
10/13/00	96,212.0	842,411	754	•	-	-	-	-	-	-		-		-	
10/20/00	99,700.0	845,899	498	Shut down system	for QWS and replace	ed flowmeter star	ting at 000 (old met	er estimated at 99	,700). Sytem resta	rted on 10/25/00 at	ter QWS			_	
10/25/00	0.0	845,899	•	<50	<0.18	<0.14	<0.18	<0.26	<0.24	17,100	111	121	141	972	998
10/27/00	2,160	848,059	1,080	-	•	-		-	-	-	-	-	-	-	_
11/03/00	7,420	853,319	751	-	-	-		-	-	-	-	-	-	-	_
11/24/00	16,560	862,459	435		-	•	-	-	-	-	•	-	-	-	
12/22/00	51,530	897,429	1,249	-	-	•	-	-	-	-	-		-	-	· .
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0,26	<0.24	10,000	384	223	<0.18	1,330	11,600
02/19/01	99,640	945,539	1,128	•	-	-	-	-	-		•	-		-	-
03/19/01	144,170	990,069	1,590	•	-	-	•	•	•	-			-	-	
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	475	4,040	191	4	42	38	4,990
04/13/01	169,210	1,015,109	540		for replacement of c	arbon drums	<u> </u>								
04/18/01	169,210	1,015,109		Restart system	_										
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	132	1,400	<0.18	<0.14	<0.18	<0.26	3,240
05/02/01	186,800	1,032,699	1,073		for carbon change										
05/18/01	186,900	1,032,799	6	Restart system	ļ		 		<u> </u>						
05/30/01 06/25/01	200,850 266,720	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3,100	15	<0.14	1	2	*8,510 / 5,780
	278,760	1,112,619	2,533	<u> </u>	-	-	<u> </u>	-	•	-	-		-	-	•
07/09/01 08/13/01	399,700	1,124,659 1,245,599	860 3,455	<50	<0.18	<0.14	<0.18	<0.26	<0.24	748	15	<0.14	2	2.7	1,440
09/24/01	451,240	1,245,599		<u>-</u>	•	•	ļ <u>.</u>	-	•	•	-	-		-	-
10/01/01	481,240	1,334,209	1,227 5,296	- <50				-	-	-	•	-		-	
	636,260				<0.18	<0.14	<0.18	<0.26	<0.24	956	1.2	<0.14	<0.18	<0.26	878
11/12/01	636,260 674,080	1,482,159 1,519,979	3,523 772	-	-	-	-	-	-		-	-	-	-	-
12/31/01	688,450	1,519,979	1,026	<50			-0.40				-	-	<u> </u>	-	-
01/14/02	738,420	1,534,349	1,026		<0.18	<0.14	<0,18	<0.26	<0.24	232	1	1	<0.18	<0.26	363
02/18/02	738,420 814,570	1,584,319	1,428 2,176	•	Av	•	-	<u> </u>	•	•	·		-	-	-
1	828,510	1,674,409	2,176	- <50	<0.18	<0.14	<0.18	-0.05		-				-	<u>-</u>
04/08/02	020,510	1,0/4,409	336	-50U	₹U.18	<0.14		<0.26	<0.24	105	<0.18	<0.14	<0.18	<0.26	157

		Total/Cum.	_			OUTLET / E	FFLUENT					INLET / I	VFLUENT		
Date	Totalizer	Discharge	Flow	TPH-g	8	Ŧ	E	Х	MTBE	TPH-a	В	T	E	Χ	MTBE
	(gallons)	(gallons)	(gal/day)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ugA
04/22/02	895,910	1,741,809	4,814		-	-	-	-	-		-		- 1	•	-
05/06/02	895,920	1,741,819	1	System off; Restar	t					· .					
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 re	sults from EBMUD) (sample collected	by EBMUD inspec	tor)	
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	<0.24		ts (sample collecte		,		
06/24/02	1,001,590	1,847,489	374	-	-	•	-	-		-	-	-	. 1	-	
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4,710	1	1.2	<0.18	2	6,980
07/12/02	1,051,430	1,897,329	2,769	-		-	•	-	-	-	-	-		-	
07/29/02	1,052,820	1,898,719	82	System shut down	for carbon change							-	-		-
08/16/02	1,052,820	1,898,719	-	Restart											
08/30/02	1,069,050	1,914,949	1,159	-		-	-	-	-		-	-		-	
09/20/02		1,952,309	-		<0.5	<0.7	<0.8	<3.3	-	Outlet sampling re	sults from EBMUD) (sample collected	by EBMUD inspec	tor)	
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	•	-				by EPA 624 & 8015		
09/30/02	1,110,180	1,956,079	377	-	-	-	-	•	-		-		- 1	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	<0.24	128	<0.18	<0.14	<0.18	<0.26	95
10/28/02	1,127,540	1,973,439	610	-	-		-	•	-		-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	•	-	-	-	-	-	-	-	-	-	
12/20/02	1,166,840	2,012,739	684	-	. •	-	-	-	-	-		-	-	-	
12/30/02	1,173,420	2,019,319	658	-		-	-	•	-	-		-		-	•
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	<2.0	9,860	<1.4	29	14	2,420	205
01/13/03	1,189,320	2,035,219	959	Shut down for QW	S	·									
01/15/03	1,189,320	2,035,219		Restart											
02/24/03	1,223,450	2,069,349	853	-	-	-	-	•	-	-		-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	•	-	-	-	-			-	-	_	-
03/17/03	1,257,710	2,103,609	2,724	System off	•	-	-		-			-	-	-	-
03/28/03	1,257,710	2,103,609	•	Restart	•	-		-	-	-	-		-	-	
03/31/03	1,266,150	2,112,049	2,813	-	•	-	•	-	-	-	-	•	-	-	
04/02/03	1,272,100	2,117,999	2,975	-	-	•	•	-	-	-	-	-	-		-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	<0.03	14,000	20	20	2.2	14	9,090
04/14/03	1,294,060	2,139,959	1,129		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		<u> </u>	-	•	•	-	-		-	-	-	
05/05/03	1,302,710	2,148,609	81	,			-	•	-	<u>-</u>		-	-	•	-
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	•	-	-	-	-	-	<u></u>	•	-	-	-	-
07/01/03	1,366,090	2,211,989	800		·	-	-	-	-	<u> </u>		-	-	-	
07/07/03	1,369,730	2,215,629	607	System shut down		-	-	-	-	<u> </u>	-	•	-	•	-
07/15/03	1,369,730	2,215,629	- 0.450	Restart		-		-	-	<u> </u>		•	-	-	-
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	<0.03	7,710	<0.04	<0.02	<0.02	<0.06	3,550
07/28/03	1,389,840	2,235,739	1,030	· -		-	•	-	•	-	-	<u> </u>		•	-
08/04/03	1,408,710	2,254,609	2,696	·	· .	-	<u> </u>	·		<u> </u>	<u> </u>	<u> </u>	-	-	-

		Total/Cum.				OUTLET / E	FFLUENT					INLET / II	VELUENT		
Date	Totalizer	Discharge	Flow	TPHa	В	T	E	Х	MTBE	TPH-g	8	T	E	X I	MTBE
	(gailons)	(galfons)	(gal/day)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	agit.	ug/L
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 ne	w 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 re	esults from EBMU[(sample collected	by EBMUD inspe	ctor)	
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	<0.03	16,200	<0.04	4.4	4.8	46	8,700
10/17/03	1,433,790	2,279,689	214	•	-	-	-	-	-	-	-	-		-	-
10/22/03	-	-			< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling n	esults from EBMUE	(sample collected	by EBMUD inspe	ctor)	
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	<0.03		its (sample collecte		· 1		
10/27/03	1,435,610	2,281,509	204	-	-		-	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-		-	-	-		•	-	-	-	•
11/14/03	1,443,620	2,289,519	444	-	-	-	•	-		-	-	-	-		_
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-		-	-	-	-		
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-		-		-
12/09/03	1,458,320	2,304,219	1,478	•	-	-	-	-			•	-	-	-	-
12/17/03	1,462,410	2,308,309	511		-	-	-	•	•	-	•	-	-	-	
12/26/03	1,468,630	2,314,529	691	-	-	-		-	-	-	-	-	-	-	_
12/31/03	1,469,710	2,315,609	216	-	-	-	-	-	-	-	-	-	-		-
01/06/04	1,472,000	2,317,899	382	<15	<0.04	<0.02	<0.02	<0.06	<0.03	7,900	658	1,560	62	1,090	2,170
01/14/04	1,474,650	2,320,549	331	System shut down	for QWS; Restarted	1/15/04				-	-	-	-	-	•
01/28/04	-	-	-		< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling r	esults from EBMU	D (sample collected	d by EBMUD inspe	octor)	
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	<0.03		its (sample collect		l		
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-		-	-	-	-		-
02/10/04	1,494,550	2,340,449	368	•	-	-	-	-	-	-	-		-	-	<u>-</u>
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	<u> </u>	-	•	-	•	-	-	-		-	-	-
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	<0.18	1,380	113	93	16	76	191
04/14/04	1,533,000	2,378,899	257		for QWS on 4/7; Re	started 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		<u>.</u>	•	-	•	-		-	-			-
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	-	<u> </u>	l	-	-	-	-	•	-	-	-	-
06/04/04	1,749,320	2,595,219	59		for replacement of c	n and off switch				-	-	-	-	-	-
06/11/04	1,749,320	2,595,219	-	Restarted	<u> </u>					-	-	-	-	-	-
06/16/04	1,751,910	2,597,809	518	-	L		L	-	1 -		•	-	- "		-

Date	Totalizer (gallons)					00000000000000000000000000000000000000	FFLUENT			1		INLET/#	ALTOEIA1		
		Discharge	Flow (gal/day)	TPHig	8	T	E	X	MTBE	TPH-q	8	7	E	Χ	MTBE
		(gallons)	1940.547.	ug/L	ug/L	ug/L	ug/L	ug/t	ug/L	ug/L	ug/L	ug/L		ug/L	
06/22/04	1,753,550	2,599,449	273			-	_	_	-	_			nëv		ug/L
07/02/04	1,756,530	2,602,429	298						-		-	-	-	-	
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	<0.18	652	31	<0.32	-0.24	-	•
07/15/04	1,759,260	2,605,159	21		-	-	-		10.70				<0.31	2.1J	383
07/22/04	1,760,630	2,606,529	196								-	-	-	-	•
07/28/04	1,762,810	2,608,709		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			-	_	•				<u> </u>	-	•	-
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 vac	t				<u> </u>	-	-	•	•	•
09/29/04	1,778,460	2,624,359	-	Restarted						 		-	-		-
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<0.18	<15	<0.22	<0.32	-	-	-
10/12/04	1,782,540	2,628,439	547	Shut down system			3.51	-0.4	-0.10	- 10	-0.22	<0.32	<0.31	<0.4	20
10/21/04	1,782,680	2,628,579		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	-	-			-		-		-		<u> </u>	-
11/19/04	1,789,350	2,635,249	233	-	-	_		<u> </u>	-	-			-	-	-
12/01/04	1,789,800	2,635,699	38				<u> </u>							•	-
12/10/04	1,792,780	2,638,679	331	•	-		<u>-</u>				-	-	-	-	-
12/15/04	1,795,460	2,641,359	536	-	-	-	-					-	-	-	-
12/22/04	1,798,000	2,643,899	363	-	-		•	-	-		-		-		-
12/29/04	1,800,580	2,646,479	369	-	-	-	-				-			•	-
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0,31	<0.4	<0.18	291	9.1	<0.32	1.2 J	<0.4	72
01/13/05	1,803,290	2,649,189	19	System turned off f	or QWS on 1/5/05; F	Restarted on 1/13/0	05			-		-0.02	1.23		- 12
01/20/05	1,804,020	2,649,919	104	Shut down system	for repair and upgra	ıde							 	-	
04/30/05	1,804,020	2,649,919	-	System still off pen	ding repairs and up	grade								-	•
05/10/05	1,804,020	2,649,919	-	Restarted system v									-	-	-
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	-	•	-	-			<u> </u>		-	-		
06/03/05	1,812,100	2,657,999	559	-	-	-	-	-	-	<u>-</u>			-	<u> </u>	<u> </u>
06/10/05	1,816,540	2,662,439	634	-	-	-	-	-	-	1 -				-	
06/17/05	1,819,870	2,665,769		Compressor needs	repair	-	-	-	-	-	-	l	-		
06/24/05	1,823,140	2,669,039	467	Replace with new	pump MW-3	-	-	-	-			-	<u> </u>	<u> </u>	
06/29/05	1,827,540	2,673,439	880	•	•	-	-				-	-	-		-
07/08/05	1,829,830	2,675,729	254	•	•	-	-	-					-	-	-
07/14/05	1,829,970	2,675,869	23	<2.9	<0.17	<0.22	<0.14	<0.38		4,270	130	3.6 J	348	188	2,790
07/22/05	1,832,760	2,678,659	349	•	<u>- </u>	-	-	•	-		-	-		-	2,790
07/26/05	1,833,920	2,679,819	290	Shut down system	for QWS	-	-	-	-	-	_	-		-	-
08/05/05	1,833,970	2,679,869		Restart sytem after	QWS	-	-	-	-	-	-	-	-	-	<u> </u>
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 resu	Its during EBMUD	inspection & sami	ding	 	
08/25/05	1,837,920	2,683,819	60	Shut down system	for carbon change		-	-		-	1 -	I .		-	-
09/01/05	1,837,980	2,683,879	9	Restarted	-	-	-	-		-	-	-	-	-	-
09/09/05	1,838,530	2,684,429	69	-	•	-	-		-	-	-	-	-	-	-

		Total/Cum.				OUTLET / E	FFLUENT					INLET / IN	IFLUENT		
Date	Totalizer	Discharge	Flow	TPH-q	8	Ŧ	E	X	MTBE	TPH+a	В	+	E	Х	MTBE
	(gallons)	(gallons)	(gal/day)	ug/L	ug/L	ug/L	ug/L	ug/L							
09/16/05	1,841,230	2,687,129	386	-	_	_			19/L -	ug/L	ug/L	ug/L	ug/L	ug/L	navc
09/23/05	1.843.410	2,689,309	311			 		-		-	-	·	-	-	-
09/30/05	1,844,820	2,690,719	201			<u> </u>	<u> </u>	-	-	-	•	•	-	•	-
10/06/05	1,845,250	2,691,149	72	<2.9	<0.10	<0.15	<0.06	<0.40			-	-	-	-	•
10/11/05	1,846,030	2,691,929	156		or QWS on 10/11/0			~0.40		2,410	<3.2	<1.0	28 J	<3,0	1,990
10/14/05	1,040,030	2,031,323	100	System turned on t	<0.05	<0.07	<0.08	<0.33		- "	-		-	-	•
10/14/05	1,846,590	2,692,489	187		<0.10	<0.15	<0.06	<0.33				(sample collected		ctor)	•
10/21/05	1,847,810	2,693,709	174			-0.13			-	Spiit-sample resul	ts during EBMUD	inspection & samp		-	•
11/02/05	1,849,720	2,695,619	159					•	-		•		-		
11/08/05	- 1,010,720	-	- 103	-	<0.05	0.62	<0.08	<0.33	:	- Out - 1			-	-	-
11/10/05	1,850,760	2,696,659	130		-0.00	0.02	40.00			Outlet sampling re	Suits from EBMUL	O (sample collected	<u> </u>	ctor)	•
11/17/05	1,851,420	2,697,319	94			-	<u> </u>	-	-	-	-	-	-	-	-
11/23/05	1,854,560	2,700,459	523	-		-		-			•	-	-	<u> </u>	-
11/30/05	1,856,650	2,702,549	299	-	-		-		-	<u> </u>		-	•	-	-
12/09/05	1,858,340	2,704,239	188		-		-			<u> </u>	-	-	•	-	-
12/15/05	1,859,780	2,705,679	240	-				<u> </u>		<u> </u>	-	•	•	-	•
12/22/05	1,860,420	2,706,319	91	_	•	-	-	-	<u> </u>	 	-		-	-	•
12/30/05	1,862,470	2,708,369	256		-	<u>-</u>			-	 		<u> </u>		-	-
01/06/06	1,866,760	2,712,659	613		_	 	-	<u> </u>	<u>-</u>	-	•	-		-	•
01/11/06	1,867,740	2,713,639	196	698	<0.32	<0.10	<0.24	<0.30		<u> </u>	-	-	-	•	-
01/18/06	1,870,240	2,716,139	357		for QWS and carbo	4	~0.24		-	6,120	210	<0.10	419	130	649
01/27/06	1,870,280	2,716,139	337 A		/S and carbon char			-	-	<u> </u>	-	-		-	
02/01/06	1,570,250	2,710,179		Lesigned aller QV	<0.70	<0.67	<0.65	<2.0	<u>-</u>	•	L		-	-	•
02/01/06	1,870,530	2,716,429	50	-	<0.17	<0.22	<0,05		<u> </u>			D (sample collected		ctor)	-
02/10/06	1,877,370	2,723,269	760	_	-0.17	-0.22		<0.38	<u>-</u>	Split-sample resu	its during EBMUD	inspection & samp		•	-
02/17/06	1,879,230	2,725,129	266	-	-			<u> </u>	<u> </u>	•	-	-	-	•	-
02/24/06	1,880,710	2,726,609	211		-	-	-	<u> </u>	•		•	-	<u> </u>	-	-
03/01/06	1,882,270	2,728,169	312	<u> </u>			-	-		<u> </u>	-	-	•	-	-
03/10/06	1,889,370	2,735,269	789	-	-	 	-	 		-	•	<u> </u>	-	-	- ` - `
03/17/06	1,889,660	2,735,559	41		-		-	-				-		-	-
03/21/06	1,890,930	2,736,829	318		-		-	-	-	 	•	<u> </u>	-	•	-
03/29/06	1,891,880	2,737,779	119			<u> </u>			<u> </u>	 	-				-
04/05/06	1,893,340	2,739,239	209	<5.6	<0.32	<0.10	<0.24	<0,30		1,520	72		-		•
04/11/06	1,895,480	2,741,379	357	-	-	-0.10	-0.24			1,520		<0.10	199	28	129
04/11/06		2,741,379	-	Shut down system	<u> </u>	 		-	-		-	-	-	-	-
04/14/06	1,895,490	2,741,389	3	Restart sytem after		•	-		<u> </u>	-	-	-		•	-
04/21/06	1,897,130	2,743,029	234		-			-		-	-	-	-	•	-
04/26/06	1,898,330	2,744,229	240		-	<u> </u>	-	<u> </u>	<u> </u>	-		-	-	•	-
05/03/06	1,900,240	2,746,139	273	-	<u> </u>		-		<u> </u>	-	-	-	-	-	-
05/12/06	1,903,700	2,749,599	384	-	-	 	-	-	<u> </u>	 	-	-	-	-	-
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	-	-	
05/26/06	1,909,780	2,755,679	657		-	 				- 683,000	3,600	135,000	25,100	165,000	<u> </u>
06/02/06	1,911,010	2,756,909	176		_	<u> </u>	 				-	-		-	
06/09/06	1,912,670	2,758,569	237	-			 	<u> </u>		77,300	668	19,300	1,660	8,800	-
06/16/06	1,914,330	2,760,229	237		-	 	<u> </u>	-	-	77,300		19,300	1,000	 	-
06/23/06	1,917,210	2,763,109	411	-	-	-	•	•		 	-	-	-	· :	-
06/27/06	1,919,740	2,765,639	633	-	-	-		<u> </u>	-	 	-	-	-	· ·	-
	.,,-,0			I	£			<u> </u>	<u>.</u>		L	L	l	·	-

Thrifty Oil Co. Station No 063, OAKLAND, CA

		Total/Cum.				OUTLET / E	FFLUENT					INLET / II	NFLUENT		
Date	Totalizer (gallons)	Discharge	Flow (gal/day)	TPH-g	8	Ŧ	E	Х	MTBE	TPH-g	8	Ŧ	E	X	MTBE
		(gallons)		ψg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
07/06/06	1,921,470	2,767,369	192	3,730	44	874	26	503	16	4,450	8.6 J	99	34 J	149	2,780
07/14/06	1,921,980	2,767,879	64	-	-	•	-	-	-	-	-	-	-	-	2,100
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 a	fter carbon change										
08/04/06	1,922,090	2,767,989	1	<5.6	<0.32	<0.10	<0.24	<0.30	-	763	<0.32	<0.10	<0.24	<0.30	1040
08/18/06	1,928,690	2,774,589	471	-	-	-	•	-	-			-			
08/25/06	1,929,580	2,775,479	127		-	•	-		-	-	-	-	_		
09/01/06	1,932,440	2,778,339	409	-	-	-	•	-	-	-	-	-		-	
09/08/06	1,936,240	2,782,139	543	•	-	-	•		-	-	-	-			
09/14/06	1,938,420	2,784,319	363		-	-	-	-	-	-	-	-			
09/20/06	1,939,710	2,785,609	215	-	•	-	-	-	-	-	-		-		
10/04/06	1,942,100	2,787,999	171	<5.6	<0.32	<0.10	<0.24	1.1 J	-	14,400	78	1,110	440	1,440	1,420
10/13/06	1,945,320	2,791,219	358	-		-	-	-	-	-	-	-,	-		1
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		-	-		-	-	-	-	-	-	-	<u> </u>
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	•	•	•	-	-	•	-	-	-		-	<u> </u>
	1														

WD PERMIT LIMITS:	NF	5.0	I 50	I 50 I	E 0	NE
	/ 1/_	3.	J.0	0.0	5.0	IVE I

Note:

< = less than laboratory detection level indicated

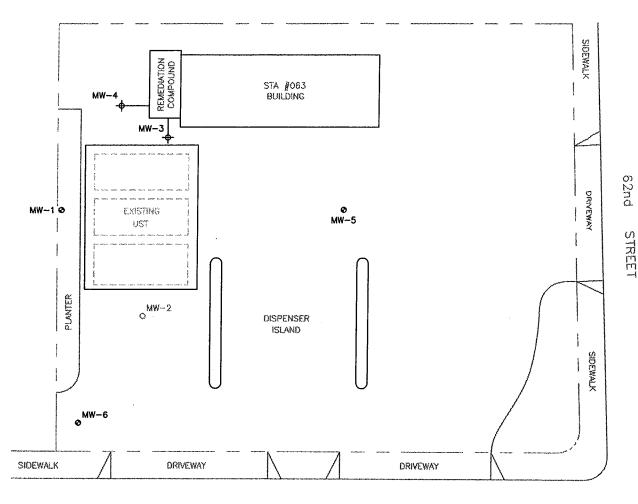
TPH is analyzed by EPA Method 8015 M BTEX is analyzed by EPA Method 8021 or 8260

- = no sample / not analyzed
NE = Permit Limit not established

*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



TELEGRAPH A

AVENUE

LEGEND

• - GROUNDWATER MONITORING WELL

- GROUNDWATER RECOVERY WELL

O - ABANDONED GROUNDWATER MONITORING WELL



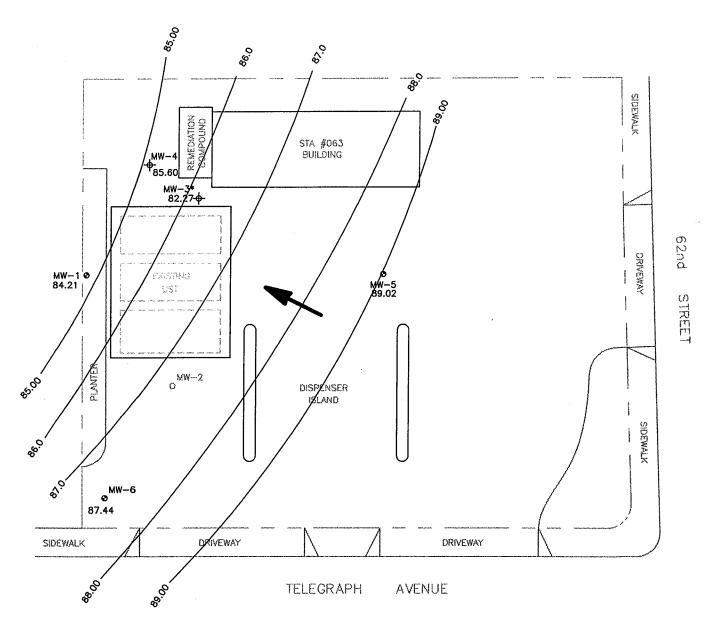
NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS



SITE PLAN & RECOVERY SYSTEM
Thrifty Service Station #063
6125 Telegraph Avenue
Oakland, California

FIGURE:

REVISION NO:



LEGEND

0

GROUNDWATER MONITORING WELL

- ABANDONED GROUNDWATER MONITORING WELL

MW-3* — Anomaly attributed to slow recharge in groundwater pumping well



NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS

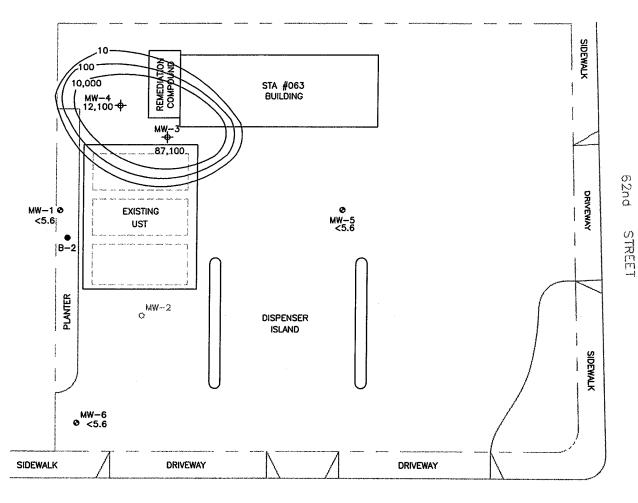


GROUNDWATER CONTOUR MAP
Thrifty Service Station #063
6125 Telegraph Avenue
Oakland, California

FIGURE:

2

REVISION NO: 0



TELEGRAPH AVENUE

LEGEND

• GROUNDWATER MONITORING WELL

- GROUNDWATER RECOVERY WELL

- ABANDONED GROUNDWATER MONITORING WELL



Samples collected on 10/25/2006 TPHg Concentrations in ug/L

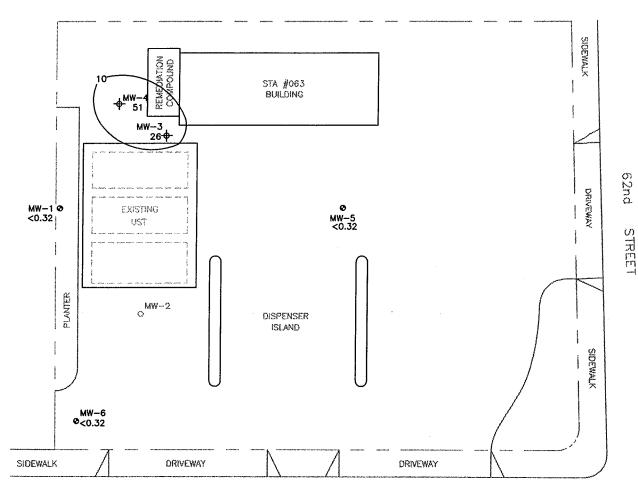
NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS



TPHg ISOCONCENTRATION MAP
Thrifty Service Station #063
6125 Telegraph Avenue
Oakland, California

FIGURE:

REVISION NO:



TELEGRAPH

AVENUE

LEGEND

GROUNDWATER MONITORING WELL

- GROUNDWATER RECOVERY WELL

O - ABANDONED GROUNDWATER MONITORING WELL



Benzene Concentrations in ug/L Samples Collected on 10/25/06

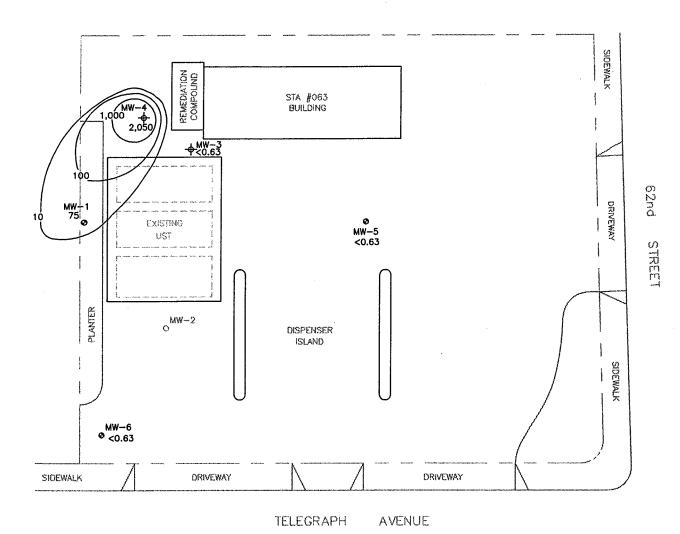
NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS



BENZENE ISOCONCENTRATION MAP
Thrifty Service Station #063
6125 Telegraph Avenue
Oakland, California

FIGURE:

REVISION NO: 0



LEGEND

GROUNDWATER MONITORING WELL

- GROUNDWATER RECOVERY WELL

- ABANDONED GROUNDWATER MONITORING WELL



Samples collected on 10/25/06 MTBE Concentrations in ug/L

NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS



MTBE ISOCONCENTRATION MAP
Thrifty Service Station #063
6125 Telegraph Avenue
Oakland, California

FIGURE: 5

REVISION NO:

APPENDIX A

PROJECT STATUS REPORT

34330588

THRIFTY OH, CO. #063, #128 TELEGRAPH AVE

OAKLAND CA 94609

 DATE

10-25-06

PERSONNEL

SERBAH

						1,FK2G	NINC.		
WELL	DTP	DTW	DTB	PT	WC	DIA	PURGE	(GAL)	COMMENT
ID ID	(FT)	(FT)	(FT)	(FT)	(FT)	(IN)	EST.	ACT.	
	QUARTE	RLY							the same and the same amount amount of the same and the s
W-1		45.13	28.94		13.8A	2"	9	9	ASAND WIL
W-2									
W-3		27 44	28.20		40.70	6"	٦8	78	
W-4		14 27	29.04		14.16	2"	9	9	
[W-5			26.23		13.27	4".	37	37	
			26.80		13.80	1"	2.8	28	
W-6		13.00	40.00			ļ			
		1	<u> </u>						The state of the s
		<u> </u>	-	 					
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	<u> </u>		<u> </u>	<u></u>	<u> </u>	Ditac	F.WATE	R REMOVE	D:
REE PRO	DUCT RI	EMOVED:	\DDD∩Y	•	GALLONS	: H			APPROX. HON GALLON
		4.0	10-01	16 (16115	440	TAN	E WA	TER SAMPLE FROM
REMARI	(S:	MOI	HILORY	NG 0	DUD CE	(4)	HIE P	WAS !	told in holding
				113 13	PURGR		117616	74.11.	Andrew Control of the
		TA	KK,	······································					gan diese dell'element i reporter, more de lapta dell'ang Eller, ellement la principal angues angues de l'approvince de l'appr
		and the second section of the second section of the second section of the second section of the second section					-		rinda in aliquido. A que y los mandos que altrino acuações de como e e e discrib que y seperado de como e das que como en e
	n				· Land State States of the State of Confedence of the State of Sta	-		salama (salata la c. 1901)	nd a galactic and the second and the second confidence of the second confidence and the second confidence of the second c
						·			للأواد المتحار المتحد للمراوي والمتحد والمتحد والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد والمتحد وا
									RFV 8/28/02

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Address:	• •			Date:	, , ,	- 25 - 06		
				•				
Personnel:	S	ERBAN,		Weather:	SUNH	y DAY	-	
Well No:		w-1	·	Equip: BA		PLER		
						· · · · · · · · · · · · · · · · · · ·		
				·			· · · · · · · · · · · · · · · · · · ·	
Before Purg						٠. ١١		
Total Well D	-		.92	_Well Diames	er	2''		
Depth to Wal	ter (fi)	15	.13	Est. Purge V	olume:	9		
	•							
Sampling Data:		· !		•		,	•	
• !	_							
Initial Turbid	1			Final Turbid		· · · · · · · · · · · · · · · · · · ·		
Time	8:52	8:54	8:56	8:58	9:00			
EC	1520	1530	1510	1490	1470			
pH	5.25	5.39	5.50	5.58	5.52			
Temp	72.3	72.1	71.8	71.9	71.6			
Gal.	<u>.</u>	3	5	1 7	9			
			:					
Time			<u> </u>					
EC		·						
рН								
Temp		•						
Gal.								
		•						
After Purgi	ng/Before Sa	mple Collect	ion	Υ				

28.94

Total Weil Depth(ft).

Depth to Water (ft.)

iic:	4	- 063		Date:	10-1	15-06	
\ddress:		-		٠.			
'ersonnel:		ERBAN		Weather:	SUHH	ly DAY	
Well No:		MW-3	·	Equip:	BAil	ER	
					•		
					•		
Before Purg	ing:						
Cotal Well D	oral Well Depth: (ft.) 28.20		20	Well Diameu	er	64	1
Depth to Wa	oth to Water (ft) 17.49		49·	Est. Purge V		78	
	•	٠.					
ampling Da	ıta:						
nitial Turbid	litv:	•		Final Turbid	irv:		:
[ime	11:00	11:15	11:30	11:45	12:00	· .	
EC	1430	1410	1380	1460	1430		
)H	6.07	6.15	6.19.	6.20	6.19		
Гстр	70.6	70.4	20.6	70.3	70.1		
Sal.	15	31	46	62	78		
			: ,.		,	<u> </u>	
Time				1			
EC							
H							
Temp	· · ·		•				
Gal.							
After Purgir	g/Before Sar	nnie Calleri	ion	1			
Depth to Wa		1.1 AG		i Taal Wall D		9 20	

Site:	H	- 063		Date:	Date: 10-25-06,				
Address:	*			•					
Personnel:	Si	ERBAY		Weather:	SUN	UNHY DAY			
Well No:		w-4		Equip:	BAPUFR				
						•			
				•	·				
Before Pur	ging:				,				
Total Well	Depth: (ft.)	29.0	94	Well Diameter 24					
Depth to W	ater (ft)	14.	88	Est. Purge \		9			
•	••.								
				<u> </u>			•		
Sampling D	ata:						•		
•		_			•				
Initial Turbi	ditv:	•	·	Final Turbid	lity:				
Time	12:07	12:09	12:11	12:13	12:15		-		
EC	1450	1430	Rhoo	1400	thoo				
рH	5.85	5.89	5.82	5.81	5.80				
Temp	71.4	71.3	71.6	71.4	71.2				
Gal.	١	3	5	7	9				
,			•			<u> </u>			
Time						·			
EC									
рН	·			1					
Temp									
Gal.									
-					•	· · · · · · · · · · · · · · · · · · ·			
After Pursi	ng/Before Sa	male Calles	ion						

Total Weil Depth(ft). 29.04

18.22

Depth to Water (fc)

Site: Address:	• -	× 063		Date:	10.	-25-06	
Personnel:	****		+	Weather:			
				·			
Before Pur	zioz:						•
Total Well	Depth: (ft.)	·20	.23	_Well Diame	· Sêr	4"	,
Ocoth to W	ater (fi)	17	.96	Est. Perge \		37	
	• •	• •	•				
Sampling I)2t2:	1					•
Initial Turb	idity:	•		Final Turbid	irv		
Time	9:58	10:06	10:14	10:22	10:30		· ·
EC	1390	1370	1370	1340	1340		
ρH	6.03	6.09	G. N	6.06	6.06		
Temp	72.3	72.4	.72.2	72.0	71.9	<u> </u>	
Gal.	17	14	22	29	37		
Time		·	•	1			1
EC				<u> </u>		<u> </u>	
рH							<u> </u>
Temp							
Cal.							
							<u> </u>
After Purgi	ng/Before Sa	mple Calleri	00				
Depth to Wa	uer (fc)	17.0		! Total Weil D	and (6)	26.23	

Total Weil Depth(ft).

26.23

Site:	1063		Date:	10	10-25-06			
Address:				·	·		•	
Personnel:		RRBAN		Weather:	SUM	HY DA	4	
Well No:	Μ	w-6		Eouio:	<u>RA</u>	HY DA	7	
Before Purs								
Total Well [Total Well Depth: (ft.) 26.80		Well Diames	er .	46			
Depth to Wa	iter (ft)	43.6	0	Est. Purge Volume:		28		
	•							
Sampling D	2t2:				•	•		
	, *							
Initial Turbi	dity:	•		Final Turbid	ity:			
Time	9:46	9:22	9:28	9:34	9:40			
EC	15W	1500	1480	1490	1480			
рН	5.55	6.52	5.54	5.50	5.52			
Temp	34.3	1.KF	71.4	71.5	71.3			
Gal.	5	11	16	22	28			
			•					
Time								
EC							·	
рН								
Temp								
Gal.								
						·		
I Go P	:			7				

Depth to Water (ft.)

26.80

Total Weil Depth(ft).

APPENDIX B



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

CLIENT Thrifty Oil Company

(8871)

LAB REQUEST

178732 V

ATTN: Jeff Suryakusuma

13116 Imperial Hwy.

REPORTED

11/03/2006

P.O. Box 2128

Santa Fe Springs, CA 90670

RECEIVED

10/26/2006

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
751216	TOC #063 MW-1
751217	TOC #063 MW-6
751218	TOC #063 MW-5
751219	TOC #063 MW-3
751220	TOC #063 MW-4
751221	TOC #063 Trip Blank
751222	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 IN

Edward S. Behare, Ph.D

Vice President

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

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TESTING & CONSULTING Chemical Microbiological Environmental Order #: Matrix: WATER

751216

Client ~ mple ID: TOC #063 MW-1

Date Sampled: 10/25/2006 Time Sampled: 12:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.32	ug/L	10/29/06 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29		10/29/06 RP
Ethyl benzene	ND	1	5	0.24		10/29/06 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17		10/29/06 RP
Methyl-tert-butylether (MTBE)	75	1	1	0.63		10/29/06 RP
Tert-amylmethylether (TAME)	2.4	1	1	0.28		10/29/06 RP
Tertiary butyl alcohol (TBA)	11	1	10		ug/L	10/29/06 RP
Toluene	ND	1	5	0.10	7	10/29/06 RP
Xylenes, total	ND	1	5		ug/L	10/29/06 RP
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	116				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 130
Surr3 - Toluene-d8	89				%	70 - 130
Surr4 - p-Bromofluorobenzene	91				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	· 10/27/06 LD
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	105		· · · · · · · · · · · · · · · · · · ·		%	55 - 200

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



Order #: 751217 Client ~ mple ID: TOC #063 MW-6

Matrix: WATER

Date Sampled: 10/25/2006 Time Sampled: 12:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.32	ug/L	10/29/06 RP
Di-isopropyl ether (DIPE)	ND	1	1		ug/L	10/29/06 RP
Ethyl benzene	ND	1	5	0.24	ug/L	10/29/06 RP
Ethyl-tertbutylether (ETBE)	ND	1	1		ug/L	10/29/06 RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	10/29/06 RP
Tert-amylmethylether (TAME)	ND	1	1		ug/L	10/29/06 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	10/29/06 RP
Toluene	ND	1	5	0.10	ug/L	10/29/06 RP
Xylenes, total	ND	1	5	0.3	ug/L	10/29/06 RP
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	116				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	115				%	70 - 130
Surr3 - Toluene-d8	89				%	70 - 130
Surr4 - p-Bromofluorobenzene	88				%	70 - 130
8015B - Gasoline		·				
Gasoline	ND	1	50	5.6	ug/L	10/27/06 LD
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	128				%	55 - 200

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



751218

Client "ample ID: TOC #063 MW-5

Date Sampled: 10/25/2006 Time Sampled: 12:35

Analyte PQL Result DF **MDL** Units Date/Analyst 8260B BTEX/MTBE Only Benzene ND 10/29/06 RP 1 0.32 ug/L Di-isopropyl ether (DIPE) 1 ND 1 0.29 ug/L 10/29/06 RP Ethyl benzene ND 1 5 0.24 ug/L 10/29/06 RP Ethyl-tertbutylether (ETBE) ND 1 1 0.17 ug/L 10/29/06 RP Methyl-tert-butylether (MTBE) ND 1 1 0.63 ug/L 10/29/06 RP Tert-amylmethylether (TAME) 1 ND 1 0.28 ug/L 10/29/06 RP Tertiary butyl alcohol (TBA) ND 1 10 10 ug/L 10/29/06 RP Toluene ND 1 5 0.10 ug/L 10/29/06 RP Xylenes, total ND 0.3 ug/L 10/29/06 RP **Surrogates** Units **Control Limits** Surr1 - Dibromofluoromethane 117 % 70 - 130 Surr2 - 1,2-Dichloroethane-d4 109 % 70 - 130 Surr3 - Toluene-d8 92 % 70 - 130 Surr4 - p-Bromofluorobenzene 89 70 - 130 % 8015B - Gasoline Gasoline ND 1 50 5.6 ug/L 10/28/06 LD Surrogates Units **Control Limits** a,a,a-Trifluorotoluene 105 % 55 - 200

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





Order #:

751219

Client ~ mple ID: TOC #063 MW-3

Matrix: WATER Date Sampled: 10/25/2006 Time Sampled: 14:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analys
8260B BTEX/MTBE Only						
Benzene	26	10	10.0	0.32	ug/L	10/29/06 RP
Di-isopropyl ether (DIPE)	ND	10	10.0		ug/L	10/29/06 RP
Ethyl benzene	2390	10	50.0		ug/L	10/29/06 RP
Ethyl-tertbutylether (ETBE)	ND	10	10.0		ug/L	10/29/06 RP
Methyl-tert-butylether (MTBE)	ND	10	10.0	0.63	ug/L	10/29/06 RP
Tert-amylmethylether (TAME)	ND	10	10.0		ug/L	10/29/06 RP
Tertiary butyl alcohol (TBA)	ND	10	100.0		ug/L	10/29/06 RP
Toluene	4880	100	500.0		ug/L	11/01/06 RP
Xylenes, total	18500	100	500.0		ug/L	11/01/06 RP
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	171				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	113				%	70 - 130
Surr3 - Toluene-d8	88	*			%	70 - 130
Surr4 - p-Bromofluorobenzene	90				%	70 - 130
8015B - Gasoline						
Gasoline	87100	100	5000.0	5.6	ug/L	10/28/06 LD
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	100				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution FactorND = Not detected below indicated MDL, J=Trace



Order #: 751220

a,a,a-Trifluorotoluene

Client imple ID: TOC #063 MW-4

Matrix: WATER Date Sampled: 10/25/200

Date Sampled: 10/25/2006 Time Sampled: 14:20

Analyte Result DF **PQL MDL** Units Date/Analyst 8260B BTEX/MTBE Only Benzene 51 10 10.0 0.32 ug/L 10/29/06 RP Di-isopropyl ether (DIPE) ND 10 10.0 0.29 ug/L 10/29/06 RP Ethyl benzene 10 ND 50.0 0.24 ug/L 10/29/06 RP Ethyl-tertbutylether (ETBE) ND 10 10.0 0.17 ug/L 10/29/06 RP Methyl-tert-butylether (MTBE) 2050 10 10.0 0.63 ug/L 10/29/06 RP Tert-amylmethylether (TAME) 18 10 10.0 0.28 ug/L 10/29/06 RP Tertiary butyl alcohol (TBA) 1060 10 100.0 10 ug/L 10/29/06 RP Toluene 162 10 50.0 0.10 ug/L 10/29/06 RP Xylenes, total 2380 10 50.0 0.3 ug/L 10/29/06 RP Surrogates Units **Control Limits** Surr1 - Dibromofluoromethane 115 % 70 - 130 Surr2 - 1,2-Dichloroethane-d4 102 % 70 - 130 Surr3 - Toluene-d8 92 % 70 - 130 Surr4 - p-Bromofluorobenzene 90 % 70 - 130 8015B - Gasoline Gasoline 12100 10 500.0 10/30/06 LD 5.6 ug/L Surrogates Units **Control Limits**

125

%

55 - 200

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



Order #: 751221 Matrix: WATER

Client mple ID: TOC #063 Trip Blank

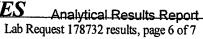
Date Sampled: 10/25/2006 Time Sampled: 00:00

Analyte	Result	DF	PQL	MDL Units	Date/Analyst
8260B BTEX/MTBE Only					
Benzene	ND	1	1	0.32 ug/L	10/29/06 RP
Ethyl benzene	ND	1	5	0.24 ug/L	10/29/06 RP
Toluene	ND	1	5	0.10 ug/L	10/29/06 RP
Xylenes, total	ND	1	5	0.3 ug/L	10/29/06 RP
Surrogates				Units	Control Limits
Surr1 - Dibromofluoromethane	122			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	118			%	70 - 130
Surr3 - Toluene-d8	91			%	70 - 130
Surr4 - p-Bromofluorobenzene	89			%	70 - 130
8015B - Gasoline					
Gasoline	ND	1	50	5.6 ug/L	10/27/06 LD
Surrogates				Units	Control Limits
a,a,a-Trifluorotoluene	108			%	55 - 200

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









Order #: 751222

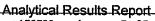
Client mple ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.32	ug/L	10/29/06 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29		10/29/06 RP
Ethyl benzene	ND	1	5	0.24		10/29/06 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17		10/29/06 RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.63		10/29/06 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28		10/29/06 RP
Tertiary butyl alcohol (TBA)	ND	1	10		ug/L	10/29/06 RP
Toluene	ND	1	5	0.10		10/29/06 RP
Xylenes, total	ND	1	5	0.3	ug/L	10/29/06 RP
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	118				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	115			1	%	70 - 130
Surr3 - Toluene-d8	90				%	70 - 130
Surr4 - p-Bromofluorobenzene	89			(%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	10/27/06 LD
Surrogates				1	Units	Control Limits
a,a,a-Trifluorotoluene	101			(%	55 - 200

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







ASSOCIATED LABORATORIES LCS REPORT FORM

QC Sample:

G15-LCS&LCSD

Matrix:

WATER

Prep. Date:

October 30, 2006

Analysis Date

October 30, 2006

ID#'s in Batch:

LR 178733, 178802, 178732, 178731

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
ТРН	8015M-G	ND	500	567	545	113	109	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. QC Limit	AAA-TFT 55-200
Method Blank	99
LCS	140
LCSD	132

AAA-TFT = a, a, a-Trifluorotoluene

ASSOCIATED LABORATORIES LCS REPORT FORM

QC Sample:

G15-LCS&LCSD

Matrix:

WATER

Prep. Date:

October 27, 2006

Analysis Date

October 27, 2006

ID#'s in Batch:

LR 178706, 178732, 178778, 178731, 178776, 178

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = ug/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
ТРН	8015M-G	ND	500	508	526	102	105	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.	AAA-TFT				
QC Limit	55-200				
Method Blank	101				
LCS	142				
LCSD	145				

AAA-TFT = a, a, a-Trifluorotoluene

ASCOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 3

Sample ID: MS/MSD Water Sample

178777-454

10:05 PM

Date Prepared: October 31, 2006

Date Analyzed: October 31, 2006

Sample Matrix: Water

Units: µg/L

Applies to LR: 178777, 178778, 178835, 178776, 178731, 178733, 178732

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	46.60	45.50	93	91	2	22	59 - 172
MTBE	0.00	50.0	50.90	48.90	102	98	4	24	62 - 137
Benzene	0.00	50.0	46.20	44.80	92	90	3	24	62 - 137
Trichloroethene	0.00	50.0	49.60	48.90	99	98	1	21	66 - 142
Toluene	0.00	50.0	45.50	43.90	91	88	4	21	59 - 139
Chlorobenzene	0.00	50.0	46.50	47.50	93	95	2	21	60 - 133

Sample ID: LCS

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	48.40	97	59 - 172
MTBE	50.0	48.40	97	62 - 137
Benzene	50.0	47.40	95	62 - 137
Trichloroethene	50.0	44.80	90	66 - 142
Toluene	50.0	43.90	88	59 - 139
Chlorobenzene	50.0	48.40	97	60 - 133

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

Surrogate Recovery

Compound	MB 1 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	122	114	117	116	70 - 135
1,2-Dichloroethane-d4	116	102	101	100	70 - 135
Toluene-d8	93	94	94	92	70 - 135
p-Bromofluorobenzene	92	95	90	83	70 - 135

ASCOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 3

Sample ID: MS/MSD Water Sample:

178732-221

Date Prepared: October 27, 2006

Date Analyzed: October 29, 2006

9:49 PM

Sample Matrix: Water

Units: µg/L

Applies to LR: 178592, 178641, 178733, 178732, 178776

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	47.10	45.90	94	92	3	22	59 - 172
МТВЕ	0.00	50.0	50.20	47.50	100	95	6	24	62 - 137
Benzene	0.00	50.0	47.20	46.00	94	92	3	24	62 - 137
Trichloroethene	0.00	50.0	46.40	45.40	93	91	2	21	66 - 142
Toluene	0.00	50.0	43.40	42.80	87	86	1	21	59 - 139
Chlorobenzene	0.00	50.0	45.40	46.50	91	93	2	21	60 - 133

Sample ID: LCS

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	46.10	92	59 - 172
MTBE.	50.0	47.20	94	62 - 137
Benzene	50.0	46.80	94	62 - 137
Trichloroethene	50.0	48.40	97	66 - 142
Toluene	50.0	44.50	89	59 - 139
Chlorobenzene	50.0	46.90	94	60 - 133

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

Surrogate Recovery

Compound	MB 1 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	116	120	117	118	70 - 135
1,2-Dichloroethane-d4	105	104	100	104	70 - 135
Toluene-d8	94	93	91	93	70 - 135
p-Bromofluorobenzene	100	89	91	86	70 - 135



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1		****		<u>-</u>	
Client: To.c.	Projec	et:			
Date Received: 10/26/00 Sample(s) received in cooler: Yes	,				
Sample(s) received in cooler: Yes	No (Skip	Section 2)			
Section 2					
Was the cooler packed with:Ice _	Ice Packs _	Bubble Wrap	Sty	rofoan	a
Cooler or box temperature: Paper	None	Other			_
(Acceptance range is 2 to 6 Deg. C.)		-			
Section 3			YES/	NO	N/A
Was a COC received?			110	140	14/17
Were custody seals present?					
If Yes – were they intact?					
Were all samples sealed in plastic bags?			1		1
Did all samples arrive intact? If no, indicat	te below.		1		1
Did all bottle labels agree with COC? (ID,	dates and times)			,	1
Were correct containers used for the tests r	required?			/	
Was a sufficient amount of sample sent for	r tests indicated?			/	
No head space in VOA vials?					1
Were the correct preservatives used?					1
Were the samples scanned for presence of	radioactivity?	······································			1
Was total residual chlorine measured (Fish	Bioassay sample	es only)? *			,
*: If the answer is no, please inform Fish B	Bioassay Dept. im	mediately.	· · · · · · · · · · · · · · · · · · ·		
Section 4					
Explanations/Comments					
			. <u> </u>		
				,	····
Section 5 Was Project Manager notified of discrepan	acies: Y/N	N/A			
Completed By:	Date:	10/26/06			

ASSOCIATED LABORATORIES

Chain of Custody Record

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

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Company THRIF	Ty 0	îL c	Q .		Phone	562)	921-	3 <i>6</i> 81] A.L.	Job N	o.				į	-	78	732 Page 1 of 1
Project Manager	YEFF	SURI	IAKU SUM	g-	Fax (562)	921-	7510				nalys	sis R	eque	stec			Test Instructions & Comments
Project Name	JQ	,w.	JAKUBUMA S-	 	Project	# C	163	V	7	A	3				П		\neg	
Site Name and 61	25 T	ELE	ORAPH	AVA		Fax (562)921-7510 Project # 063			15m	260kg	#							T0600101366
Address	AKL	AHD	CA.	9460	29	*****			80/	8	T.							
Sample ID	Lab il		Date	Time	1		ainer er/Size	Pres.	h-Ha!	BTEX	BX4GEHBNEN	-						
1 MW-1			10-25-06	12:20	H20	4-	VOA	HCL		×	×				7			ANALYSI'S REQUIRE
2 MW-G				12:30		1		1	X	×	X							FOR OXY GEHATES
3 MW-5				12:35					×	×	×					\exists		COMPOUNDS USED IN
4 MW-3				14:10					×	×	X							CA. GASOUHE BY
5 Mw-4				14:20		γ		V	×	×	×							BPA METHOD 8260
TRIP BLANK			V	00:00	V	2-	VOA	γ	×	X								L-TOLETIARY BUTAHOL
/																		2-MTBR
9																		3-09PE
10																	7	4-RIBE
111	<u>/</u>									1								5-TAME
12		·							·	/-					1			
13						/			\angle					1				
14			/		/													
15		/	/									,	\triangle					
		<u> </u>					In.e.	,										
		Ť	Be Filled By La	<u>-</u>	·	T	Sampler:	hed by E.	M.(• 1.		Relino	-	ed by			2.	Relinquished by 3.
Total Number of Containe		22	Properly Cooled	-	·		Signature	E.I	ne			Signa				·····		Signature:
Custody Seals Y/N/N	 		Samples Intact (ļ <u>.</u>	1 3	SERBU	et .	V,		Printe	d Nan	ne:				Printed Name:
Received in Good Condition N Samples Accepted / N			<u> </u>				ime: 16:30 Date:			Time:			Date: Time:					
		Turn Are	ound Time	· . · · · · · · · · · · · · · · · · · ·		·	Signature	٠, -	S.O. 1. Received By:			NA	2.	<u> </u>				
Normal Rush Same Day			☐ 48 hrs. Printed Name:				Signature: Madey Printed Slame: Mounta					.4 1		i	Signature: Printed Name:			
			_ = = 7 1.1.01				Date:		Γime:			Date:	(O	1261	a	ime:	9:39	Date: Time:
Distribution: White - Labora	tory Canary -	Laboratory	Pink - Project/Accou	ınt Manager	Goldenrod	- Sampler/O	riginator						-					210260 2:45

APPENDIX C

(063)



SYSTEM STARTUP / SHUTDOWN REPORT

TTTT Eminana	PENENT CO.			-101DOWN REP
	·	• • • • • • • • • • • • • • • • • • • •	SITE:	Toe
			ADDR:	6125 TEVEGRAPH
				OAKLATIO, CH. 94
•	•		DATE:	
•			PERSON:	SEPBAH
emediation System Type:	Os d'se o	NE CONT DRA	□ Oden	
System Type	Action			
	Startup Sheldown	Hour Meter (brs)	Totalizer	
Air Sparging		美国人民主义	(gal)	Purpose / Comments
VE Soll Vanor Parising				•
VE Soll Vapor Extraction				
PE Dual-Phase Extraction			经过多数	
		•		
VT Groundwater Treatment				
	2		1956730	
R PP Recovery				
Other:	1 1/39	的自然是他		•
Lities:				
Electrical Meter:	44	•	•	
Nat. gas Moter:	44			
Propune Tank Level:	MA		· . •	
er notes:				
REST	ART SYR	981.		
FUR	Air com	AFT	TER REPUBLIA	COZ DULLA
	WHI COM	KESBOR		FUMLES
		•		
	·			

NAME OF INSPECTOR: SERBAH P-	
DATE OF INSPECTION: 12-07-06	
OBSERVATIONS AND CHECK OIL, POELT, DOBIH WATER TROOM	
PILITER, DRAIN COMPRESSOR TANK, ADJUST	
PRESSURE PERGULATOR, CHECK HOSSES AND ARUM	us
POR CARK, CHECK TRAHSFER PUMP	
	•
FLOW METER READING: 1958510	
SAMPLES OBTAINED: ~// A	_
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: 2.8	
PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.	
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:	_
INSPECTOR'S SIGNATURE: Sido wy	

SYSTEM STARTUP / SHUTDOWN REPORT MANAGEMENT CO. Emvironmental Remediation Toe 4663 SITE: ADDR: 6125 TELEGRAPH AVE_ OAKLAND, 94612 DATE: 11-30-06 PERSON: Remediation System Type: DAS DESME DOS DEME DEM System Type Action Hour Meter Totalizer Starten Shaldows (gra) Purpose / Comments AS Air Sperging SVE Soil Vapor Extriction DPE Dual-Phase Extraction GWT Groundwater Treatment 1956730 FPR PP Recovery Other: UTILITIES: Electrical Meter: NIA Nat. gas Meter: NIA Propone Tank Level: NIA OTHER NOTES: WAS FHUT DOWN FOR REPLACE PUMP FOR ATR COMPRESSOR

ALWAYS OBSERVE SAFETY PROCEDURES



NAME OF INSPECTOR: SERBAN P-
DATE OF INSPECTION: 11-22-06
OBSERVATIONS AND COMMENTS: CHECK OIL, BENT, DRAIN COMPRESSOR MANK
ORAIH WATER FROM PRESSURE/REGULATOR FILTER, CHECK
TRANSFER PUMP, CHECK HOSSES FROM MW-3 PUMP,
FLOW METER READING:1952010—
SAMPLES OBTAINED: M/A
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: 2.3
PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT:
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: \mathcal{O} . $%$
INSPECTOR'S SIGNATURE: Stopung

NAME OF INSPECTOR: SERBAH P	
DATE OF INSPECTION:	
OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, GHANG	E Oil
CHECK BELT, HOSSES, CHECK TRAHSFER	PUMP,
CHEER FILTER IN PRESSURE/REGULATOR	l
	····
FLOW METER READING: - 1951817-	
SAMPLES OBTAINED: ~//A	
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER:	ю
PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:	······································
PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT:	2.3
PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT:	1.3
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:	0.8
INSPECTOR'S SIGNATURE: Surge	



NAME OF INSPECTOR: SERBAN P
DATE OF INSPECTION: 11-09-06
OBSERVATIONS AND COMPRESSOR TANK CHECK OIL, BELT
CHECK TRANSFER PUMP, CHECK HOSSES ATAD ARUMS
FUR LEAK, DRAIN WATER FROM PRESSURE/REGULATOR
FILTER, CHECK PUMP IN MW-4,
FLOW METER READING: 1951030—
SAMPLES OBTAINED: N/A
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: 2.2
PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT:
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:
INSPECTOR'S SIGNATURE: Set of will

(00)

NAME OF INSPECTOR:	SERBAH	P -	
DATE OF INSPECTION:	11-01-	06	
OBSERVATIONS AND COMMENTS:			Koic, BELT,
ADJUST PRESSUL	eur Reculato	R, BRAIN WAT	FR FROM
FILTER OF PRI			
PUMP, CHANG			
		/	
FLOW METER READING:	1949120 -		
SAMPLES OBTAINED:			
PRESSURE GAUGE READING	UP STREAM OF THE	BAG FILTER:	NO.
PRESSURE GAUGE READING	DOWN STREAM OF T	HE CARTRIDGE FILTER:	
PRESSURE GAUGE READING	DOWN STREAM OF T	HE PRIMARY GAC UNIT:	2.3
PRESSURE GAUGE READING	DOWN STREAM OF T	HE SECONDARY GAC UN	IIT:
PRESSURE GAUGE READING	DOWN STREAM OF T	HE THIRD GAC UNIT:	0,8
INSPECTOR'S	signature:\$	Loper	

SYSTEM STARTUP / SHUTDOWN REPORT MANAGEMENT CO. Environmental Remediation SITE: Toe #1063 ADDR: G125 TELEGRAPH AVE OAKLAHD 94612 DATE: 10-27-06 PERSON: SEPBAH Remediation System Type: □AS ETSME □OME ETGMT □FR □OME System Type Action Hour Meter Startop Sheldow Totalizer Purpose / Comments Air Sparging SVE Soll Vapor Extraction DPE Dual-Phase Extraction Groundwater Treatment GWT 1948670 FPR PP Recovery Other: UTILITIES: Electrical Meter: HIA. Nat. gas Meter: MA Propane Tank Level: 414 OTHER NOTES: RESTART PYPER AUS.

ALWAYS OBSERVE SAFETY PROCEDURES!



NAME OF INSPECTOR: SERBAH P-	
DATE OF INSPECTION:	
OBSERVATIONS AND COMMENTS: RESTART BY STEM AFTER Q	w.J·
CHECK OIL BELT, TRANSFER PUMP,	
	· · · · · · · · · · · · · · · · · · ·
FLOW METER READING:	95
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:	0.8
INSPECTOR'S SIGNATURE: Sitorwy	

SYSTEM STARTUP / SHUTDOWN REPORT MANAGEMENT CO. Emironmental Remediation SITE Toe #1063 ADDR: 6125 TELEGRAPH AVE OAKLAHD 54612 DATE: PERSON: Remediation System Type: DAS D'SME DOPE DOME DIFFE DOME System Type Action Hour Meter Startup Shaldow Totalizer (tri<u>0</u>) Purpose / Comments Air Sparging SVE Soli Vapor Extraction DPE Dual-Phase Extraction GWT Groundwater Treatment 1948670 FPR PP Recovery Others UTILITIES: Electrical Meter: N/A Nat. gas Meter: N/A Propage Tank Level: HIA OTHER NOTES: SHUT DOWN FOR DWS.



NAME OF INSPECTOR: SERBAH P-	
DATE OF INSPECTION: 10.19.06	
OBSERVATIONS AND COMMENTS: CHECK BELT, O'LL, DRAIN COMPRI	E 280R
TAHK, DRAIN FILTER FROM PRESSURE/RE	BULATOR,
CHECK DRUMS AND HOSSES FOR LEAR,	
	·
	•
FLOW METER READING:1947230 —	
SAMPLES OBTAINED: $ \angle /A $	
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER:	NO
PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER:	
PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT:	2.3
PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT:	t.1
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:	0.8
INSPECTOR'S SIGNATURE: Sitorum	

NAME OF INSPECTOR: SERBAN P-	
DATE OF INSPECTION: 10, 13.06	
OBSERVATIONS AND COMPRESSOR TAHK,	CHECK
BRLT, OIL, CHECK TRANSFER PUMP,	A07087
- TRESSUPER/RECULISTOR, CHECK HOSSEL	FOR LEAD
CHECK PUMP IN MW-4,	· · · · · · · · · · · · · · · · · · ·
	•
FLOW METER READING:194 5 320-	
SAMPLES OBTAINED: ~//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: _	1.0
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:	0.9
INSPECTOR'S SIGNATURE: Sido wy	

NAME OF INSPECTOR: SERBAH P	
DATE OF INSPECTION: $\mu - 04 - 06$	
OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, CHEC	CK BELT,
- OIL, COLLECT WATER SIDMPLE	FROM
SY STEM,	
FLOW METER READING:	
SAMPLES OBTAINED:	
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER:	b
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. (
PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT:	0.9
INSPECTOR'S SIGNATURE: Sitopur	