HRIFTY OIL CO.

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O.65937

April 25, 2006

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

Local #RO000005 RWQCB #01-1479

RE:

Former Thrifty Oil Co. Station #063 **ARCO Products Company Station #9542** 6125 Telegraph Avenue Oakland, CA 1st Quarter 2006, Status Report

Dear Mr. Gholami:

Presented herein is the First Quarter 2006, Status Report prepared 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 first 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.

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

Respectfully submitted,

Chris Panaitescu General Manager **Environmental Affairs**

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

File



cc:

Summary of Monitoring and Sampling Activities

Thrifty Oil Co. Station #063 First Quarter 2006

Reporting Period: 1/1/2006 to 3/31/2006

Site

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rmation:	
Site address:	TOC SS #063 (ARCO #9542)
	6125 Telegraph Avenue
	Oakland, CA
Global ID No.:	T0600101366
EDF Confirmation No.:	9331935226
Lead Agency No.:	Local #RO000005
Lead Agency:	Alameda County Health Care Services
Agency Contact:	Mr. Amir Gholami / 510 567-6735
Project Manager:	Michael Bowery / 562-921-3581 ext. 404
l Activity:	
Groundwater wells onsite:	5
Groundwater wells offsite	Λ

5
0
1/19/2006
1/19/2006
5
5
Bailer / Pump
Drums – Safety-Kleen pickup
0
NA
NA
NA

Site Hydrogeology:

Depth to groundwater (feet bgs):	8.74 to 10.92
Groundwater elevation (feet above mean sea	88.84 to 92.02
level):	
Groundwater gradient and flow direction:	Southwest at approximately 0.0348 ft./ft.
Consistent with previous quarter:	Consistent with previous quarters

First Quarter 2006 Report Thrifty #063 Page 2

Groundwater Conditions:

TPHg concentration (ug/L):	66	to	4,780
Benzene concentration (ug/L):	ND<0.32	to	96
Toluene concentration (ug/L):	ND<0.1	to	2.2J
Ethyl benzene concentration (ug/L):	ND<0.24	to	183
Total Xylenes concentration (ug/L):	ND<0.3	to	113
MTBE concentration (ug/L):	5.9	to	273
DIPE concentration (ug/L):	ND<0.29	to	<0.29
ETBE concentration (ug/L):	ND<0.17	to	<0.17
TAME concentration (ug/L):	ND<0.28	to	3.9
TBA concentration (ug/L):	ND<10	to	167

Remediation Activity:

GWPT
4/8/1991
NA
NA ·
29,410
2,737,779
NA
NA
NA
NA

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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 January 19, 2006, data is presented in **Figure 2**. The groundwater flow direction is to the southwest at an approximate gradient of 0.0348 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-3, MW-4, MW-5, and MW-6 on January 19, 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 concentrations of TPHg and benzene were in monitoring well MW-4 with concentrations of 4,780 micrograms per liter (ug/L) and 96 ug/L, respectively. The highest MTBE concentration was present in well MW-3 (273 ug/L).

Remediation Status

Site remedial activities were initiated in April 1991. 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 9, 2005 through December 15, 2005, the groundwater treatment system processed approximately 29,410 gallons of groundwater and has treated approximately 2,737,779 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 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.

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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 will submit the SCM under separate cover by April 28, 2006.

Closing Comments

The groundwater monitoring wells and the treatment unit will be monitored and sampled during the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the 2nd Quarter 2006 monitoring report.

Sincerely,

Michael H. Bowery, P.G. 5027

Project Manager

TABLES

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

DATE			ANALYTICA	L PARAMETE	RS		ДЕРТИ ТО	ДЕРТН ТО	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
			, , ,	<u> </u>		V-0/-/-			((COL)	(1000)	(sect)
MONITORIN	G WELL #A	1W-1		Screen Interv	pal = 15 to 30	feet					
11/21/86	-	-	-	-	-	_	15.42	NP	0.00	99.34	83.92
07/22/91	_	_	-	_	-	-	20.41	FILM	0.00	99.34	78.93
10/24/91	-	-	_	_		-	19.06	SHEEN	0.00	99.34	80.28
01/22/92	-	-	-	-	_	-	18.78	SHEEN	0.00	99.34	80.56
03/24/92	-	-	-	-	_	_	13.55	SHEEN	0.00	99.34	85.79
07/15/92	-	-	-	-	-	-	18.90	FILM	0.00	99.34	80.44
10/05/92	-	_	-	-	-	-	20.50	FILM	0.00	99.34	78.84
01/06/93	-	_	-	-	-	-	14.93	FILM	0.00	99.34	84.41
07/13/93	_	-	_	-	-	-	15.44	FILM	0.00	99.34	83.90
10/11/93	_	-	-	-	-	-	20.36	FILM	0.00	99.34	78.98
01/11/94	-	_	-	-	-	-	19.50	FILM	0.00	99.34	79.84
04/12/94	-	_	-	-	-	-	18.10	FILM	0.00	99.34	81.24
07/14/94	-	_	-	-	-	-	20.03	FILM	0.00	99.34	79.31
01/15/96	11,000	2,800	150	780	770	-	19.02	NP	0.00	99.34	80.32
04/15/96	17,000	3,600	330	1,500	3,400	-	18.82	NP	0.00	99.34	80.52
07/15/96	12,000	1,300	200	1,200	4,600	250		NP	-	-	-
10/09/96	-	-	-		_	_	14.87	NP	0.00	99.34	84.47
01/13/97	27,000	810	6,000	570	4,100	2,700	10.20	NP	0.00	99.34	89.14
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900		NP	-	-	-
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	18.75	NP	0.00	99.34	80.59
10/16/97	680	<0.3	0.55	<0.3	<0.5	-	17.92	NP	0.00	99.34	81.42
01/07/98	42,000	980	2,800	1,200	5,200	1.3	9.80	NP	0.00	99.34	89.54
04/06/98	7,100	700	340	170	2,600	1,000	9.60	NP	0.00	99.34	89.74
07/14/98	19,000	2,100	400	890	5,800	1,600	13.70	NP	0.00	99.34	85.64
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	15.25	NP	0.00	99.34	84.09
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	12.20	NP	0.00	99.34	87.14
04/16/99	320	<0.3	<0.3	<0.3	<0.5	* 540 / 630	12.20	NP	0.00	99.34	87.14
07/14/99	290	<0.3	<0.3	<0.3	<0.5	*590 / 580	13.75	NP	0.00	99.34	85.59
10/07/99	130	<0.3	<0.3	<0.3	<0.5	270	12.15	NP	0.00	99.34	87.19
01/26/00	13,000	460	54	290	3,700	940	13.14	NP	0.00	99.34	86.20
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	10.63	NP	0.00	99.34	88.71
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	9.11	NP	0.00	99.34	90.23
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	9.10	NP	0.00	99.34	90.24
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.08	NP	0.00	99.34	90.26

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

THRIFTI OIL STATION #005, OAKLAND, CA												
DATE			ANALYTICA	L PARAMETE			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER	
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION	
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)	
									,	<u> </u>	J	
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12.16	NP	0.00	99.34	87.18	
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	10.60	NP	0.00	99.34	88.74	
07/16/01	<50	<0.18	<0.14	< 0.18	<0.26	<0.24	9.07	NP	0.00	99.34	90.27	
10/17/01	<50	<0.18	<0.14	< 0.18	<0.26	<0.24	12.16	NP	0.00	99.34	87.18	
01/23/02	<50	<0.18	<0.14	< 0.18	<0.26	<0.24	15.23	NP	0.00	99.34	84.11	
04/10/02	<50	<0.18	<0.14	< 0.18	<0.26	<0.24	15.17	NP	0.00	99.34	84.17	
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	16.71	NP	0.00	99.34	82.63	
10/30/02	<50	2.2	<0.14	< 0.18	<0.26	13	15.16	NP	0.00	99.34	84.18	
01/15/03	465 J	<0.14	< 0.07	<0.08	<0.35	147	16.70	NP	0.00	99.34	82.64	
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	< 0.03	15.16	NP	0.00	99.34	84.18	
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.64	NP	0.00	99.34	85.70	
10/08/03	761	11	<0.32	1.4 Ј	2.9 J	653	15.50	NP	0.00	99.34	83.84	
01/15/04	853	<0.04	<0.02	<0.02	<0.06	*1,100 / 558	14.20	NP	0.00	99.34	85.14	
04/14/04	494	<2.2	<3.2	<3.1	<4.0	843	12.93	NP	0.00	99.34	86.41	
07/29/04	1,040	<2.2	<3.2	<3.1	<4.0	1,070	14.73	NP	0.00	99.34	84.61	
10/14/04	3,250	266	< 0.32	59	78	811	15.26	NP	0.00	99.34	84.08	
01/06/05	197	<0.22	< 0.32	<0.31	<0.4	406	15.14	NP	0.00	99.34	84.20	
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	9.40	NP	0.00	99.34	89.94	
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	< 0.63	16.65	NP	0.00	99.34	82.69	
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	< 0.63	18.19	NP	0.00	99.34	81.15	
01/19/06	1,380	58	<0.10	62	113	33	9.37	NP	0.00	99.34	89.97	
									.1		L	
MONITORIN	G WELL #M	W-2	326.7	Screen Interv	val = 15 to 30	feet						
11/21/86			-	-	-	-	14.90	0.11	14.79	100.01	96.28	
07/22/91	-	-	-	-	-		17.84	0.38	17.46	100.01	95.35	
10/24/91	-		-	-	-	-	17.00	16.97	0.03	100.01	83.03	
01/22/92		-	-	-	-	-	16.72	FILM	0.00	100.01	83.29	
03/24/92	<u>-</u>	-	-	-	-	-	15.81	11.98	3.83	100.01	87.09	
07/15/92	-	-	-	-	-	-	16.37	FILM	0.00	100.01	83.64	
10/05/92	<u>-</u>	-	-	-	-	_	18.41	18.09	0.32	100.01	81.84	
01/06/93	-	-	-	-	-	-	12.37	FILM	0.00	100.01	87.64	
07/13/93	-	-	-	-	-	-	15.19	FILM	0.00	100.01	84.82	
10/11/93	-	-	-	-	-	-	18.05	0.10	17.95	100.01	95.51	
01/11/94	_	-	-	-	-	-	16.98	0.03	16.95	100.01	95.83	

063TAB1.XLS

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

DATE			ANALVEICA	L PARAMETE			#005, OAKLAN			1	
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene			DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
	(ug/L)	(ug/L)				MTBE	GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
04/12/94		· -	_				·				
07/14/94			-	•	-	-	15.54	FILM	0.00	100.01	84.47
01/15/96	7,100	720	700	-	-	. •	17.93	FILM	0.00	100.01	82.08
04/15/96	11,000	600	280 59	48	660		17.20	NP	0.00	100.01	82.81
07/15/96	19,000			420	870		17.26	NP	0.00	100.01	82.75
10/09/96	19,000	360	51	610	1,600	<250		-	-	<u>-</u>	-
01/13/97	11,000		-	-	-	-	14.42	NP	0.00	100.01	85.59
04/14/97	141	230	30	91	700	56	10.25	NP	0.00	100.01	89.76
07/07/97	<50	1.2	0.33	0.44	<0.5	20		-	-	_	-
10/16/97	<50 <50	<0.3	<0.3	<0.3	<0.5	<20	17.20	NP	0.00	100.01	82.81
01/07/98		<0.3	<0.3	<0.3	<0.5	-	16.20	NP	0.00	100.01	83.81
01/0//98	-	-	-	-	-	-	16.26	16.18	0.08	100.01	83.81
			Well Abar	doned 1/30/98							
MONITORIN	C WELL HAVE	DV 2			•						
11/21/86	J WELL HIM			Screen Interv		feet	(GROUNDWATER SI	STEM'S PUMPING	WELL)		
07/22/91		100	5.1	<1.0	25		16.25	0.10	16.15	99.76	95.70
10/24/91			-	-	-	<u>-</u>	24.00	NP	0.00	99.76	75.76
01/22/92	<u> </u>	-	-	-	-	<u>-</u>	18.10	NP	0.00	99.76	81.66
03/24/92		-	-	-	-	-	25.80	SHEEN	0.00	99.76	73.96
07/15/92		-	-	-			15.60	NP	0.00	99.76	84.16
10/05/92		-	-	-	-	-	25.10	FILM	0.00	99.76	74.66
01/06/93	-	-	-	-	<u> </u>	-	25.20	NP	0.00	99.76	74.56
	•	-	-	·		-	25.45	NP	0.00	99.76	74.31
07/13/93	-	-	-		-	-	14.24	NP	0.00	99.76	85.52
10/11/93	-	-	-		-	-	25.60	NP	0.00	99.76	74.16
01/11/94	-	-	-		-	-	25.90	NP	0.00	99.76	73.86
04/12/94	-	-	-	<u>-</u>		-	25.70	NP	0.00	99.76	74.06
07/14/94	-	-	-	<u>-</u>	-	-	25.10	NP	0.00	99.76	74.66
01/15/96		-	-			-	26.04	NP	0.00	99.76	73.72
04/15/96		-		-	-	-	21.03	NP	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780		-	-	-	-
10/09/96		-	-	-	-		21.43	NP	0.00	99.76	78.33
01/13/97	-			-	-		11.20	NP	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	23.40	NP	0.00	99.76	76.36
10/16/97	-	-	-	-	-		22.30	NP	0.00	99.76	77.46
01/07/98	-	- l			-		20.10	NP	0.00	99.76	79.66

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

DATE ANALYTICAL PARAMETERS DEPTH TO PRODUCT CASING GROUND												
SAMPLED	TPH	BENZENE		EthylBenzene		MTBE	GROUNDWATER	PRODUCT			GROUNDWATER	
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)		THICKNESS	ELEVATION	ELEVATION	
					[(ug/b/	(ug/L)	(lett)	(feet)	(feet)	(feet)	(feet)	
07/14/98		_		T -		T	14.40	3.75				
10/15/98	-	_	-		_	-	14.40	NP	0.00	99.76	85.36	
01/20/99	-	_	<u> </u>	-				-	-	-	-	
04/16/99	-	-	-	_	-		11.20	- -		-	-	
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	25.87	NP NP	0.00	99.76	88.56	
10/07/99	-	-	-	-		14,000714,000	15.40		0.00	99.76	73.89	
01/26/00	-	-	_		-		14.25	NP	0.00	99.76	84.36	
04/19/00	-	-	-	_	-	-	14.20	NP NP	0.00	99.76	85.51	
05/26/00	-	-	_	_	-		15.12		0.00	99.76	85.56	
07/26/00	-	-	-				14.30	NP NP	0.00	99.76	84.64	
10/25/00	-	-	-		_		14.32	NP NP	0.00	99.76	85.46	
01/10/01	-	-	-	_	_		13.46	NP NP	0.00	99.76	85.44	
04/23/01	-	-	-	_	_	-	15.40	INP	0.00	99.76	86.30	
07/16/01	-	-	<u> </u>	_	-	_	12.80	NP		-	-	
10/17/01	-	-	-	-	-	-	15.30	NP	0.00	99.76	86.96	
01/23/02	-	-	-	-	-		13.30	-	0.00	99.76	84.46	
04/10/02	-	-	-		-	_	13.22	NP	 	-	-	
07/24/02	-	-	-	-	-	-	14.32	NP	0.00	99.76	86.54	
10/30/02	-	-	-	-	-	_	16.20	NP	0.00	99.76	85.44	
01/15/03	-	-	-	-	_	_	14.10	NP	0.00	99.76	83.56	
04/16/03	-	-	-	-	-		220	- 111	- 0.00	99.76	85.66	
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 Ј	2,050	18.30	NP	0.00	99.76 99.76	-	
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	16.65	NP	0.00	99.76	81.46	
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	14.18	NP	0.00	99.76	83.11	
04/14/04	464	63	18	<0.31	16	189	13.45	NP	0.00	99.76	85.58	
07/29/04	1,560	74	<3.2	30 J	<4.0	729	15.94	NP	0.00	99.76	86.32	
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	16.11	NP	0.00	99.76	83.82	
01/06/05	394	12	<0.32	1.5 J	<0.4	51	15.61	NP	0.00		83.65	
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	9.19	NP	0.00	99.76	84.15	
07/27/05	383	5.6	<0.10	17	2.4 J	125	16.63	NP	0.00	99.76	90.57	
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	16.97	NP	0.00	99.76	83.13	
01/19/06	2,050	93	2.2 J	103	55	273	10.92	NP	0.00	99.76	82.79	
								141	0.00	99.76	88.84	

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

DATE			ANALYTICA	L PARAMETE	RS		DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE		EthylBenzene		МТВЕ	GROUNDWATER	PRODUCT	THICKNESS		
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)			ELEVATION	ELEVATION
	(-5/	(49.47)	(46.2)	(05/2)	(ug/L)	(ugil)	(tect)	(feet)	(feet)	(feet)	(feet)
MONITORIN	G WELL #M	W_A		Screen Interv	al = 0 to 20 f						
11/21/86	100,000	3,200	2,700	2,400	14,000	-	16.22	FILM	0.00	00.40	
07/22/91	-	-	-	2,700	- 14,000		21.80	21.35	0.00	99.48	83.26
10/24/91	_	_		_			20.02	SHEEN	0.45	99.48	78.02
01/22/92	<u>-</u>	_	_	_			19.78	SHEEN	0.00	99.48	79.46
03/24/92	-	-		_	-		13.94		0.00	99.48	79.70
07/15/92	_	-	-	_	-		19.27	FILM	0.00	99.48	85.54
10/05/92			_	-	-		21.44	FILM	0.00	99.48	80.21
01/06/93				-	-	-		FILM	0.00	99.48	78.04
07/13/93						-	14.08	FILM	0.00	99.48	85.40
10/11/93		-		-	-	-	16.09	FILM	0.00	99.48	83.39
01/11/94						-	21.33	FILM	0.00	99.48	78.15
04/12/94	-	<u>-</u>	<u>-</u>		-	-	20.45	FILM	0.00	99.48	79.03
07/14/94				-	-	-	19.05	FILM	0.00	99.48	80.43
01/15/96	5,000	370	38		200	-	20.41	FILM	0.00	99.48	79.07
04/15/96	38,000	300		300	390	-	19.89	NP	0.00	99.48	79.59
07/15/96	13,000		78 69	540	470	-	19.62	NP	0.00	99.48	79.86
10/09/96	13,000	880	69	820	1,100	3,600		-		-	-
01/13/97	47,000			-	-	-	15.32	NP	0.00	99.48	84.16
04/14/97		2,500	2,500	1,100	2,800	70,000	10.80	NP	0.00	99.48	88.68
	8,700	<0.3	0.45	<0.3	0.64	29,000		<u> </u>	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	18.80	NP	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	17.76	NP	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	11.60	NP	0.00	99.48	87.88
04/08/98	18,000	1,200	130	710	1,400	22,000	10.10	NP	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	16.30	NP	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	16.90	NP	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	15.35	NP	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	15.30	NP	0.00	100.48	85.18
07/14/99	8,500	<6	<6	<6	<10	*21,000 / 16,000	18.40	NP	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	16.89	NP	0.00	100.48	83.59
01/26/00	9,900	350	9	460	460	2,800	12.62	NP	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	12.28	NP	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	13.81	NP	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	12.29	NP	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	12.26	NP	0.00	100.48	88.22

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

DATE			ANALYTICA	L PARAMETEI	es e	177	DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE		EthylBenzene	XYLENE	МТВЕ	GROUNDWATER	PRODUCT	THICKNESS		
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)				ELEVATION	ELEVATION
	(WE/L)	l (45/2)	(ug/L)	[(ag.r)]	(ug·L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
01/10/01	<50	<0.18	2	<0.18	1	962	10.75	NP	0.00	100.10	
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453			0.00	100.48	89.73
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	12.26 13.80	NP	0.00	100.48	88.22
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	16.87	NP	0.00	100.48	86.68
01/23/02	12,100	196	57	68	2,090	*688/738		NP	0.00	100.48	83.61
04/10/02	655	7	8	1	2,090	587	12.28	NP	0.00	100.48	88.20
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	13.80 15.33	NP	0.00	100.48	86.68
10/30/02	17,300	400	47	748	131	12,300		NP	0.00	100.48	85.15
01/15/03	23,000	568	39	832	268	18,300	17.00	NP	0.00	100.48	83.48
04/16/03	15,800	411	15	26	14	18,200	16.84 16.86	NP	0.00	100.48	83.64
07/14/03	13,300	145	26	2.8 J	12	17,600		NP	0.00	100.48	83.62
10/08/03	12,500	64	<3.2	359	24 J	11,400	10.69 16.32	NP NP	0.00	100.48	89.79
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	14.67		0.00	100.48	84.16
04/14/04	7,340	<11	<16	<15.5	<20	13,500	13.68	NP NP	0.00	100.48	85.81
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	15.50		0.00	100.48	86.80
10/14/04	10,200	197	<3.2	233	13 J	3,940	16.08	NP	0.00	100.48	84.98
01/06/05	4,880	60	<3.2	74	<4.0	4,760	15.24	NP NP	0.00	100.48	84.40
04/13/05	2,780	57	35	20	251	3,650	9.64	NP NP	0.00	100.48	85.24
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	16.79	NP	0.00	100.48	90.84
10/12/05	25,700	177	<1.0	941	<3.0	4,810	16.79		0.00	100.48	83.69
01/19/06	4,780	96	1.9 J	183	57	210	10.46	NP NP	0.00	100.48	83.70
01.25,00	1,700 /	1 - 20	1.73	105	31	210	10.40	NP	0.00	100.48	90.02
	·	J	l.,,,,	11							
MONITORIN	G WFIT #M	W_S		Screen Interv	al = 7 to 27 f	eet	7.33	200			
11/21/86	<1,000	4.8	2.1	<0.5	7.4	_	16.10	NP	0.00	100.00	0.00
07/22/91	-	<0.5	1.6	<1.0	2.0	_	18.20	NP	0.00	100.98	84.88
10/24/91	-	-	-		-	_	17.67	NP	0.00	100.98	82.78
01/22/92	600	21.0	8.0	2.0	17.0		17.07	INF		100.98	83.31
03/24/92	-	-	-		17.0	-	12.98	NP	- 0.00	-	-
07/15/92	<200	<0.5	<0.5	<0.5	<0.5		17.29	NP NP	0.00	100.98	88.00
10/05/92	-	-	-		-	-	18.92	NP NP	0.00	100.98	83.69
01/06/93	300	2.7	<0.5	1.3	26.0	-	13.12	NP NP	0.00	100.98	82.06
07/13/93	<100	1.1	0.5	1.0	1.5		16.15	NP NP	0.00	100.98	87.86
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	18.75	NP NP	0.00	100.98	84.83
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	17.80	NP	0.00	100.98	82.23
			1 0.5	-0.5	-0.2	·	17.00	Nr	0.00	100.98	83.18

063TAB1.XLS

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

DATE			ANALYTICA	L PARAMETE	RS	100	ДЕРТН ТО	DEPTH TO	PRODUCT	CASING	GROUNDWATER
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	
					1 -5-7	(49.0)	Georg	(zect)	(icci)	(ICCI)	(feet)
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	_	13.59	NP	0.00	100.98	07.20
07/14/94	<50	0.42	<0.3	<0.3	<0.5		18.26	NP	0.00	100.98	87.39
07/15/95	100	1.2	<0.5	0.8	<1	-	10.20	141	- 0.00	-	82.72
01/15/96	1,900	21	13	6.2	6.8	_	13.09	NP	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	13.16	NP	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230	25.10	NP	- 0.00	-	67.82
10/09/96	-	-	-	-	-	-	15.37	NP	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	10.90	NP	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000	20,50	-	-	-	90.08
07/07/97	7,500	300	1,500	12	110	16,000	14.70	NP	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	13.60	NP	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	10.97	NP	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	10.90	NP	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	15.20	NP	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	15.90	NP	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.20	NP	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.25	NP	0.00	101.98	86.73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	15.96	NP	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5	16.33	NP	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5	14.80	NP	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5	10.97	NP	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	14.43	NP	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	14.02	NP	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.04	NP	0.00	101.98	87.94
01/10/01	<50	<0.18	< 0.14	<0.18	<0.26	<0.24	14.80	NP	0.00	101.98	87.18
04/23/01	<50	<0.18	< 0.14	<0.18	<0.26	*10 / 4.2	10.97	NP	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	14.80	NP	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	16.71	NP	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.80	NP	0.00	101.98	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.42	NP	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	14.78	NP	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.93	NP	0.00	101.98	86.05
01/15/03	<50	<0.14	< 0.07	<0.08	<0.35	<2.0	15.55	NP	0.00	101.98	86.43

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

	THRIFTY OIL STATION #063, OAKLAND, CA													
DATE			ANALYTICA	L PARAMETE	RS	10 m	DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATER			
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene	XYLENE	MTBE	GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION			
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	Section (Wage Section)			
									1 (300)	(reci)	(feet)			
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	15.55	NP	0.00	101.98	T 06.49			
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.93	NP	0.00	101.98	86.43			
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	16.35	NP	0.00	101.98	86.05			
01/15/04	<15	<0.04	<0.02	<0.02	< 0.06	<0.03	15.06	NP	0.00		85.63			
04/14/04	<15	<0.22	<0.32	< 0.31	<0.4	<0.18	13.96	NP	0.00	101.98	86.92			
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	15.60	NP	0.00	101.98	88.02			
10/14/04	411	<0.22	<0.32	< 0.31	<0.4	425	16.17	NP	0.00	101.98	86.38			
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	15.52	NP	0.00	101.98	85.81			
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	10.12	NP	0.00	101.98	86.46			
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	16.66	NP	0.00	101.98	91.86			
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	16.66	NP	0.00	101.98	85.32			
01/19/06	66	< 0.32	<0.10	<0.24	<0.30	5.9	9.96	NP		101.98	85.32			
							7.50	INI	0.00	101.98	92.02			
				·					i					
MONITORIN	G WELL #M	W-6		Screen Interv	al = 7 to 27 fe	eet								
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	12.64	NP	0.00	99.44	06.00			
07/22/91	-		-	-	-	_		-	0.00	99.44	86.80			
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-		-			-			
03/24/92	-		_	-	-	-	10.04	NP	0.00	99.44	- 00.40			
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	_	13.29	NP	0.00	99.44	89.40			
10/05/92	-	-	-	-	-	-	14.69	NP	0.00	99.44	86.15			
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	10.87	NP	0.00	99.44	84.75 88.57			
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	13.10	NP	0.00	99.44				
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	14.43	NP	0.00	99.44	86.34			
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	13.56	NP	0.00	99.44	85.01			
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	12.10	NP	0.00	99.44	85.88			
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	14.16	NP	0.00	99.44	87.34			
07/15/95	140	<0.5	<0.5	<0.5	<1	-			- 0.00	<i>77.</i> 44	85.28			
01/15/96	56	0.38	0.33	<0.3	<0.5	-	14.29	NP	0.00	99.44	95.15			
04/15/96	96	4.5	<0.3	<0.3	0.53	-	14.32	NP	0.00	99.44	85.15			
07/15/96	140	2.4	0.44	<0.3	0.70	110			-	77.44	85.12			
10/09/96	-	-	-	-	-	-	12.09	NP	0.00	99.44	97.25			
01/13/97	210	<0.3	1.2	<0.3	0.68	270	9.85	NP	0.00	99.44	87.35			
04/14/97 07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20			-	- 99.44	89.59			
	<50	<0.3	<0.3	<0.3										

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

DATE			ANALYTICA	L PARAMETI			DEPTH TO	DEPTH TO	DRODUCE		1
SAMPLED	TPH	BENZENE	TOLUENE	EthylBenzene		MTBE			PRODUCT	CASING	GROUNDWATER
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)		GROUNDWATER	PRODUCT	THICKNESS	ELEVATION	ELEVATION
		1 (-5,-)	(462)	(GE/L)	(ug/L)	(ug/L)	(feet)	(feet)	(feet)	(feet)	(feet)
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	1	12.10	T			
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	13.10	NP	0.00	99.44	86.34
07/14/98	330	<0.3	<0.3	<0.3	<0.5	0.10	9.80	NP	0.00	99.44	89.64
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	380	12.30	NP	0.00	99.44	87.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5	14.30	NP	0.00	99.44	85.14
04/16/99	<50	<0.3	<0.3	<0.3		<5	13.60	NP	0.00	100.44	86.84
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.50	NP	0.00	100.44	86.94
10/07/99	<50	<0.3	0.96	0.35	<0.5	*5.4 / <5	14.65	NP	0.00	100.44	85.79
01/26/00	- <50	<0.3	<0.3	<0.3	1.8	<5	15.39	NP	0.00	100.44	85.05
04/19/00	83.1	<0.25	<0.25		0.63	<5	13.85	NP	0.00	100.44	86.59
05/26/00	<50	<0.23	<0.23	<0.25 <0.3	<0.5	*11 / <5	9.65	NP	0.00	100.44	90.79
07/26/00	<50	<0.3	<0.3		<0.6	<5	13.10	NP	0.00	100.44	87.34
10/25/00	<50	<0.18	<0.14	<0.3	<0.6	<5	12.35	NP	0.00	100.44	88.09
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	12.30	NP	0.00	100.44	88.14
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	78	13.45	NP	0.00	100.44	86.99
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	*9/4	9.65	NP	0.00	100.44	90.79
10/17/01	<50	<0.18		<0.18	<0.26	<0.24	13.09	NP	0.00	100.44	87.35
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.37	NP	0.00	100.44	85.07
04/10/02	<50		<0.14	<0.18	<0.26	<0.24	13.27	NP	0.00	100.44	87.17
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.07	NP	0.00	100.44	87.37
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.86	NP	0.00	100.44	86.58
01/15/03	<50	1.6	<0.14	<0.18	<0.26	6.4	14.20	NP	0.00	100.44	86.24
04/16/03	<15	<0.14	<0.07	<0.08	0.84	<2.0	15.35	NP	0.00	100.44	85.09
07/14/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	14.58	NP	0.00	100.44	85.86
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.35	NP	0.00	100.44	85.09
01/15/04		<0.22	<0.32	<0.31	<0.4	<0.18	13.80	NP	0.00	100.44	86.64
04/14/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	13.51	NP	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	11.62	NP	0.00	100.44	88.82
	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.12	NP	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	13.53	NP	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.02	NP	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	9.32	NP	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	13.17	NP	0.00	100.44	87.27

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

DATE	100		ANALYTICA	L PARAMETE	RS	100	DEPTH TO	DEPTH TO	PRODUCT	CASING	GROUNDWATE
SAMPLED	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)	GROUNDWATER (feet)	PRODUCT (feet)	THICKNESS (feet)	ELEVATION (feet)	ELEVATION (feet)
											(1000)
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	< 0.63	14,55	NP	0.00	100.44	95.00
01/19/06	72	<0.32	< 0.10	<0.24	<0.30	12	8.74	NP	0.00		85.89
							0.74	INI	0.00	100.44	91.70

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.

			GENATES	
	Di-isopropyl Ether	Ethyl-Tert-Butyl Ether	Tert-Amyl Methyl Ether	Tert-Butyl Alcohol
DATE	(DIPE)	(ETBE)	(TAME)	(TBA)
SAMPLED	(ug/L)	(ug/L)	(ug/L)	(ug/L)
ONITORING WELL	# MW-1		University of the second of th	a lappan and a
10/16/97	<20	<20	<20	3,900
01/07/98	<20	<20	92	< 500
04/03/98	<20	<20	65	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	< 0.17	15	487
01/15/04	-	-	-	-
04/14/04	-	•	-	-
07/29/04	-	-	-	-
10/14/04	•	-	-	-
01/19/06	<0.29	<0.17	<0.28	27
NITORING WELL		Testing Village of Section		The second second
10/16/97	<20	<20	<20	<500
01/19/06	•	-		-
NITORING WELL.	# MW-3 (GROUNDWATI	D CVCTEMIC DIIMDING W	TELT 1	
		A SISIEM STUMING H	ELL)	and the second second
10/16/97	-	-	- -	-
	-	- - -	- -	-
10/16/97	-		- - -	
10/16/97 01/07/98	-	-		-
10/16/97 01/07/98 04/03/98	- - -			-
10/16/97 01/07/98 04/03/98 07/14/03	- - - <0.29	- - - <0.17	- - - 24	- - 608
10/16/97 01/07/98 04/03/98 07/14/03 10/08/03	- - - <0.29 <0.29	- - - <0.17 <0.17	- - 24 30	- - 608 <10
10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04	- - - <0.29 <0.29	- - - - <0.17 <0.17	- - 24 30	- - 608 <10
10/16/97 01/07/98 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 -
10/16/97 01/07/98 04/03/98 07/14/03 10/08/03 01/15/04 04/14/04 07/29/04	- - - <0.29 <0.29 - -	- - - <0.17 <0.17 - -	- - 24 30 - -	- 608 <10 - -
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 01/19/06	- - - - - - - - - - - - - - - - - - -	- - - <0.17 <0.17 - - - - <0.17	- - 24 30 - - - - 3.9	- 608 <10 - - - - - 167
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 01/19/06	- - - - - - - - - - - - - - - - - - -	- - - <0.17 <0.17 - - -	- - 24 30 - - -	- 608 <10 - - -
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 01/19/06 NITORING WELL 3 10/16/97		- - - <0.17 <0.17 - - - - <0.17	- - 24 30 - - - - 3.9	- 608 <10 - - - - - 167
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 01/19/06		- - - <0.17 <0.17 - - - - <0.17	- - 24 30 - - - - 3.9	- 608 <10 - - - - 167
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 01/19/06 NITORING WELL 3 10/16/97		- - - <0.17 <0.17 - - - - <0.17	- - 24 30 - - - - 3.9	- 608 <10 - - - - 167
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 01/19/06 NITORING WELL: 10/16/97 01/07/98			- - 24 30 - - - - 3.9 <20 230	- 608 <10 - - - - 167
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 01/19/06 NITORING WELL: 10/16/97 01/07/98 04/03/98			- - 24 30 - - - - 3.9 - 3.9	- 608
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 01/19/06 **NITORING WELL** 10/16/97 01/07/98 04/03/98 07/14/03		- - - <0.17 <0.17 - - - - <0.17 <20 <20 <20 <200 <0.17	- - 24 30 - - - - 3.9 - 3.9 - 20 230 <200 62	608 <-10 167 14,000 <-500 <-5,000 2,490

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

		OXY	GENATES	And the Health of the last
DATE SAMPLED	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcoh (TBA) (ug/L)
	, <u>V</u>	(-8-4/	(48/2)	(ug/D)
07/29/04	-	-	-	-
10/14/04	•	-	-	-
01/19/06	<0.29	<0.17	<0.28	138
ITORING WELL	,# MW-5	An Anna	NAME OF THE PARTY	
10/16/97	<20	<20	<20	4,700
01/07/98	<20	<20	<20	<500
04/03/98	<20	<20	<20	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10
01/15/04	-	-	-	-
04/14/04	-	-	-	-
07/29/04	-	-	-	-
10/14/04	-	-	-	-
01/19/06	<0.29	<0.17	<0.28	<10
ITORING WELL	# MW-6	all ville. The second		
10/16/97	<20	<20	<20	<500
01/07/98	<20	<20	40	<500
04/03/98	-	-	-	-
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10
01/15/04	-	-	**	
04/14/04	-	-	-	-
07/29/04	-	**	-	-
10/14/04	•	-	-	
01/19/06	<0.29	<0.17	2.7	<10

NOTE:

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

		Total/Cum.			OU	TLET / EFFLUE	NT				INLET / IN	IFLUENT	_	
Date	Totalizer	Discharge	Flow	TPH-g	В	T	E	Х	TPH-g	В	T	E	Х	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
				vyr 1										
4/8/1991	1,669	0			<0.3	<0.3	<0.3	<0.9	-	1300	120	<7.5	1300	-
4/15/1991	5,742	4,073	582		<0.3	<0.3	<0.3	<0.3	-	700	140	<15	500	-
4/22/1991	10,240	8,571	643	•	<0.3	<0.3	<0.3	<0.9	-	850	100	34	860	•
4/29/1991	15,510	13,841	753		<0.3	<0.3	<0.3	<0.9	-	220	8.4	<0.3	42	-
5/6/1991	20,200	18,531	670		<0.3	<0.3	<0.3	<0.9	-	280	8,0	<0.3	56	-
5/13/1991	24,430	22,761	604	-	<0.3	<0.3	<0.3	<0.9	-	190	5.6	<0.3	37	-
5/20/1991	28,480	26,811	579	-	<0.3	<0.3	<0.3	<0.9		150	0.83	1.4	29	-
5/28/1991	29,310	27,641	104	-	<0.3	<0.3	<0.3	<0.9	<u> </u>	<0.3	<0.3	<0.3	<0.9	-
6/3/1991	33,080	31,411	628	-	<0.3	<0.3	<0.3	<0.9	-	58	4	<0,3	33	
6/10/1991	36,939	35,270	551	-	<0.3	<0.3	<0.3	<0.9	<u> </u>	45	<0.3	<0.3	16	-
6/17/1991	40,673	39,004	533	•	<0.3	<0.3	<0.3	<0.9	-	69	4.9	0.9	21	-
6/24/1991	44,453	42,784	. 540	-	<0.3	<0.3	<0.3	<0.9	-	5.4	2	<0.3	6.6	-
7/1/1991	48,173	46,504	531	-	<0.5	<0.5	<1	<1	-	14	15	<1	9.1	-
7/8/1991	51,681	50,012	501	-	<0.5	<0.5	<1	<1		<0.5	<0.5	<1	6.9	-
7/15/1991	55,186	53,517	501	-	<0.5	<0.5	<1	<1	-	<0.5	0.6	<1	6.3	-
7/22/1991	62,150	60,481	995	-	<0.5	<0.5	<1	<1	•	<0.5	<0.5	<1	2.6	-
7/29/1991	62,150	60,481	-	-	<0.5	<0.5	<1	<1		<0.5	<0.5	1.2	19	-
8/5/1991	63,241	61,572	156	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	<1	
8/12/1991	66,091	64,422	407	-	<0.5	<0.5	<1	<1	-	2.6	<0.5	<1	12	-
8/19/1991	67,649	65,980	223	-	<0.5	<0.5	<1	<1	-	20	3.3	2.8	70	<u> </u>
8/26/1991	70,514	68,845	409	•	<0.5	<0.5	<1	<1	<u> </u>	<0.5	<0.5	1.2	19	-
9/9/1991	70,564	68,895	4	-	<0.5	<0.5	<1	<1	-	270	10	13	69	-
9/16/1991	73,526	71,857	423	System shut down				ļ. <u>.</u>	ļ					
10/7/1991	73,526	71,857	-	-	<0.5	<0.5	<1	<1	<u> </u>	<0.5	<0.5	<1	3.8	-
10/14/1991	74,516	72,847	141	-	<0.5	<0.5	<1	<1	-	60	1.1	<1	23	•
10/21/1991	76,091	74,422	225	-	<0.5	<0.5	<1	<1	•	<0.5	<0.5	<1	<1	•
10/28/1991	83,242	81,573	1,022	-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	14	-
11/3/1991	83,242	81,573		-	<0.5	<0.5	<1	<1	<u> </u>	<0.5	<0.5	<1	3.1	•
11/11/1991	84,351	82,682			<0.5	<0.5	<1	<1		99	1.9	<1	14	-
11/18/1991	85,647	83,978		-	<0.5	<0.5	<1	<1	-	42	1	1	10	•
11/25/1991	89,512	87,843		-	<0.5	<0.5	<1	<1		<0.5	<0.5	<1	3.9	-
12/3/1991	93,407	91,738		-	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3,8	-
12/9/1991	96,210	94,541	467	•	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<1	3.2	
12/16/1991	99,045	97,376		-	<0.5	<0.5	<0.5	<0.5	•	1.3	<0.5	<0.5	1.5	<u>-</u>
12/23/1991	102,334	100,665	470	-	<0.5	<0.5	<0.5	<0.5	-	1.7	<0.5	<0.5	2.4	-
12/30/1991	105,124	103,455		-	<0.5	<0.5	<0.5	<0.5	-	22.6	1.2	0.7	4.9	
1/15/1992	115,691	114,022		-	<0.5	<0.5	<0.5	<0.5	-	130	11	<0.5	50	-
2/10/1992	124,846	123,177	352	-	<0.5	<0.5	<0.5	<0.5		20	0.51	<0.5	3.6	-
3/9/1992	149,965	148,296		<200	<0.5	<0.5	<0.5	<0.5	12,000	2,100	400	170	2,100	-
4/13/1992	168,567	166,898		<200	<0.5	<0.5	<0.5	<0.5	2,100	280	3.9	<2.5	98	•
5/11/1992	187,170	<u> </u>		<200	<0.5	0.7	<0.5	<0.5	<200	<0.5	<0.5	<0.5	<0.5	<u> </u>
6/8/1992	190,490		119		<0.5	<0.5	<0.5	<0.5	-	44	3.7	0.7	64	<u> </u>
7/6/1992	197,080		235	<u>-</u>	-	-			-			ļ		-
7/13/1992	197,890			-	<0.5	<0.5	<0.5	<0.5	 -	<0.5	<0.5	<0.5	<0.5	
7/13/1992	197,890		-	· · · · · · · · · · · · · · · · · · ·	or repair of electrica	l motor								
8/10/1992	197,890		-	Restart the system				<u> </u>						
8/17/1992	201,300	199,631	487	I	<0.5	<0.5	<0.5	<0.5	J	<0.5	<0.5	<0,5	<0.5	<u> </u>

					_ our	LET!/EFFLUE	NT				INLET/IN	IFLUENT		
D-4-	Totalizer	Total/Cum.	Flow	TPH-a	В	Т	∈ E	Х	TPH-q	В	T	Ε	Х	MTBE
Date	(gallons)	Discharge (gallons)	(gal/day)		477		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ua/L	ug/L
		(gallotto)		-ug/L	ug/L	ug/L			ogic				<1	-
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	<0.5	<0.5	<0.5 <0.5	<1	-
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	<200	<0.5	<0.5	<0.5	10	
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1		1.1 720	0.5 46	<10	1,700	
12/14/92	243,048	241,379	493	•	<0.5	<0.5	<0.5	<1	-	400	32	<25	520	
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1		1,400	330	260	1,200	
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	9,000	1,400	150	7.5	1,000	
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1	7,000	1,100	100	7.5	780	
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1	7,200	1,100	100		700	
04/26/93	271,290	269,621	-	System shut down f	o repair									
07/15/93	272,577	270,908		Restart the system							<0.5	<0.5	1.6	
08/11/93	284,230	282,561	432		<0.5	<0.5	<0.5	<1	-	1.3			<0.6	
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	-	
10/08/93	305,641	303,972	310		-	-	-	-	-	-	-		<0.6	-
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	<60	<0.3	<0.3	<0.3	<0.6	-
10/15/93	308,495	306,826	357	-	-		-	-	-				<0.5	<u>-</u>
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5 <0.5	
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5 <0.5	-
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	<0.3	<0.3	<0.3 36	<0.5 480	-
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	430	41	36	480	
02/18/94	618,620	357,993	-	Changed air filters.	The water flowmete							10.0	7.7	
03/10/94	627,540	366,913	446	<u>-</u>	<0.3	<0.3	<0.3	<0.5		<0.3	<0.3	<0.3		-
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	170	1.5	<0.3	0.38	0.73	
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	1,500	46	4.1 37	0.5	1,600	-
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	12,000	860		<13 <0.3	<0.5	-
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3		<0.5	
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5		-
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	-
01/10/95	742,072	481,445	339	·	1 :		-	<u>-</u>	-			 		
01/16/95	742,074	481,447	0	Sytem shut down f	or repair of compress	sor pump		ļ				 		
02/06/95	742,074	481,447		Restart the system						 	100	-0.5	<0.5	-
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	
03/13/95	758,930	498,303	531	<100	<0.5	<0.5	<0.5	<1	1,300	<0.5	<0.5	<0.5		-
04/17/95	768,276	507,649	267	<100	<0.5	<0.5	<0.5	<1	6,200	410	73	97	280	-
05/15/95	780,716	520,089	444	<100	<0.5	<0.5	<0.5	<1	1,300	0.6	<0.5	<0.5	<1 <1	
06/12/95	784,514	523,887	136	<100	<0.5	<0.5	<0.5	<1	<100	<0.5	<0.5	<0.5		
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1	1,100	<0.5	<0.5	<0.5	<1	-
08/14/95	795,216	534,589	39		<0.5	<0.5	<0.5	<1	170	<0.5	<0.5	<0.5	<1	<u> </u>
09/06/95	797,631	537,004	105	<100	<0.5	<0.5	<0,5	<1	1,320	<0.5	<0.5	<0.5	<1	-
10/17/95	800,316	539,689	65		<0.5	<0.5	<0.5	<1	2,400	26	2.7	3.9	46	-
11/20/95	806,264	545,637	175	150	<0.3	<0.3	<0.3	<0.5	450	0.31	<0.3	<0.3	<0.5	
12/11/95	809,236	548,609	142	300	<0.3	<0.3	<0.3	0.59	470	<0.3	<0.3	<0.3	<0.5	-
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0.5	900	0.39	<0.3	<0.3	<0.5	
02/19/96	848,213	587,586	728	800	<0.3	0.57	<0.3	0.83	1700	23	3.7	<0.3	80	<u> </u>
03/19/96	849,587	588,960	47	930	<0.3	<0.3	<0.3	<0.5	1,600	5.5	1.4	<0.3	94	ļ
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0.5	1,100	0.43	<0.3	<0.3	<0.5	<u> </u>

					OU	TLET // EFFLUE	NT				INLET/IN	IFLUENT		
0-4-	Totalizer	Total/Cum.	Flow	TPH-g	В	T .	E	Х	TPH-g	В	T	E	Х	MTBE
Date	(gallons)	Discharge (gallons)	(gal/day)				contract.	ug/L	ua/L	ug/L	ug/L	ug/L	ug/L	ug/L
	1			ug/L	ug/L	ug/L	ug/L				<0.3	<0.3	<0.5	-
05/13/96	890,214	629,587	1,363	840	<0.3	<0.3	<0.3	<0.5	910	<0.3	70.5	V0.3	70.5	
05/13/96	890,214	629,587	-	System shut down f	or carbon change									
06/14/96	890,214	629,587	-	Restart the system						92	8.7	3.4	55	
06/18/96	890,818	630,191	151	<50	<0.3	<0.3	<0.3	<0.5	1,000	92	8.7	3.4	33	
07/01/96	892,781	632,154	151	-	-		-	-						
07/08/96	894,210	633,583	204	System shut down	due to burglary and o	damaged air compres	sor							
08/05/96	894,210	633,583	-	Restart the system								000	650	
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5	3,500	160	110	220	<0.5	
09/23/96	899,410	638,783	78	<50	<0.3	<0.3	<0.3	<0.5	<50	0.49	<0.3	<0.3		-
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	730	1.7	0.42	2.1	2.5	
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	81	<0.3	<0.3	<0.3	<0.5	•
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0.3	<0.5	13,000	590	250	180	850	-
02/10/97	912,610	651,983	285	82	<0.3	0.38	<0.3	<0.5	700	0.92	0.75	<0.3	4.1	-
03/10/97	921,020	660,393	300	<50	<0.3	<0.3	<0.3	<0.5	600	<0.3	<0.3	<0.3	<0.5	
04/14/97	932,410	671,783	325	<50	<0.3	<0.3	<0.3	<0.5	4,400	<0.3	<0.3	<0.3	<0.5	-
05/12/97	941,028	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	5,600	7.3	0.32	<0.3	17	
06/23/97	943,183	682,556	51		-	-	-	-	-		-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	1,500	3.4	<0.3	<0.3	26	
08/04/97	951,020	690,393	186		-	-	-	-	-	-	-	•	-	-
09/02/97	957,933	697,306	238	System shut down	due to stolen air con	npressor				-	•	-		-
10/06/97	961,030	700,403	91	-	-	· -	-	-	-	-	-	-		-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0,3	<0.5	550	<0.3	<0.3	<0.3	<0.5	
11/17/97	970,920	710,293	308			-	-	-	-	-	-	-		-
12/23/97	986,016	725,389	419	-	-	-	-	_	-	-	-	-	-	-
01/05/98	991,520	730,893	423			-	-	-	-	-	-	-	-	-
01/03/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	65,000	690	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	•	-	-	-	-	-	-	
02/02/98	990,074	736,247		System shut down	due to the UST repl	acement and station	remodeling							
		736,247		<50	<0.3	<0.3	<0.3	<0.5	35,000	150	<15	<15	8,900	-
02/17/98	53,000	736,247	<u> </u>		1	n with new meter (53	.000)							
04/13/98	 	736,247				enance / piping / hose								
4/13 - 6/1/98	- 52 700	737,027	16		-	-	-	-	-	-		-	-	-
06/01/98	53,780	740,152	73		<0.3	<0.3	<0.3	<0.5	3,500	14	0.56	<0.3	26	-
07/14/98	56,905		84					-	-		-	-	-	-
08/13/98	59,426	742,673 745,603	101	-		ļ		+	-	-	-	-	-	-
09/11/98	62,356				<0.3	<0.3	<0.3	<0.5	2,200	21	4	<0.3	100	-
10/15/98	62,714	745,961	11		70,3			-			-	-	-	-
11/06/98	62,952		11		for flowmeter replace			-				1		-
11/20/98		746,199	<u> </u>					1						-
12/01/98	0.0				m with flowmeter at 0	T -	<u> </u>		 	 	-	-		-
12/31/98	5,340.0	751,539				-	-	- 	<u> </u>	-	-	-		-
01/11/99	15,020.0	761,219				for the or			1	 	 			-
1/11 - 2/1/99	-	761,219			rgoing maintenance		<0.3	<0.5	110	0.43	0.42	<0.3	<0.5	260
01/20/99	-	761,219		<50	<0.3	<0.3	<0,3	<u> </u>	110		3,42	1	1	1
02/01/99	15,600.0			Restart system		-		-		-	<u> </u>	 	-	-
02/12/99	22,840.0			.1	<u> </u>		-		-	 	 	 		1
02/22/99	22,840.0				for carbon canister	replacement		 				+	1	
03/26/99	22,840.0	769,039		Restart the syste	m	.J	L		L		J	I		1/2006

Thrifty Oil Co. Station No 063, OAKLAND, CA

					OII	LET#EFFLUE			INLET/IN	IFLUENT				
Data	Totalizer	Total/Cum.	Flow	TPH-q	В	т 1	E	X	TPH-q	В	T	E	χ	MTBE
Date	(gallons)	Discharge (gallons)	(gal/day)						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	1.	(gunoria)		ug/L	ug/L	ug/L	ug/L	ug/L	agr.				-	-
03/31/99	24,620.0	770,819	356		-			-	-	-	<0.3	<0.3	<0.5	<5
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3		<u> </u>	70.5	
05/11/99	36,010.0	782,209	256			-	-		-	-	-			
05/25/99	46,000.0	792,199			due to carbon canist	er leaking								
09/02/99	46,000.0	792,199		Restart system										
09/17/99	46,217.0	792,416	14	-	-	-	-			- <0.3		<0.3	<0.5	120
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	65	<0.3	<0.3	VU.3	70.5	120
10/21/99	47,278.0	793,477		System shut down f	or carbon change									
11/24/99	47,283.0	793,482	0	Restart system									<u> </u>	
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-			<0.5	
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		
02/25/00	51,983.0	798,182	47		-	-	•		-	-	•	-	-	
03/24/00	54,603.0	800,802	94	-		-	-		· · · · · · · · · · · · · · · · · · ·	-	-			
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	<50	1.3	<0.25	<0.25	<0.5	<5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	•	-	923	<0.6	2	85	80	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	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	<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		-	-	-	-	-		-	-	<u>-</u>	
10/13/00	96,212.0	842,411	754	-	-	-	•		<u> </u>	L	<u> </u>	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system	for QWS and replace						S			
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	17,100	111	121	141	972	998
10/27/00	2,160	848,059	1,080	-	-		-	-			-	-	-	-
11/03/00	7,420	853,319	751		-	-				-	<u> </u>	-		
11/24/00	16,560	862,459	435			-	-		-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-		-	-	-	-	-		-	- 44.000
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	10,000	384	223	<0.18	1,330	11,600
02/19/01	99,640	945,539	1,128		-	-	-	-		-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-		-	-	<u> </u>	-			4 000
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	4,040	191	4	42	38	4,990
04/13/01	169,210	1,015,109	540	Shut down system	for replacement of c	arbon drums				ļ				
04/18/01	169,210	1,015,109	-	Restart system	ļ. <u> </u>				ļ				10.00	2240
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	1,400	<0.18	<0.14	<0.18	<0.26	3,240
05/02/01	186,800	1,032,699	1,073	Shut down system	for carbon change				ļ					
05/18/01	186,900	1,032,799	6	Restart system					1				 	*9.540./5.700
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	3,100	15	<0.14	1	2	*8,510 / 5,780
06/25/01	266,720	1,112,619	2,533	-	-		-			-		-		
07/09/01	278,760	1,124,659	860	<50	<0.18	<0.14	<0.18	<0.26	748	15	<0.14	2	2.7	1,440
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	<u> </u>	-	<u> </u>	<u>-</u>		-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-		-		-		
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	956	1.2	<0.14	<0.18	<0.26	878
11/12/01	636,260	1,482,159	3,523]	-	-		-				<u> </u>	-	
12/31/01	674,080	1,519,979	772		-	-	-	-		-	-		-	
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	232	1	1 1	<0.18	<0.26	363
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-		-	<u> </u>	<u> </u>		-
03/25/02	814,570	1,660,469	2,176	-	-	-	·-	-		-	-	-		
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	105	<0.18	<0.14	<0.18	<0.26	157

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		Total/Cum.			OU	TLET / EFFLUE	NT				INLET / IN	FLUENT		- Table
Date	Totalizer	Discharge	Flow	TPH-q	В	T	Е [X	TPH-g	В	Т	E	Χ	MTBE
Date	(gallons)	(gallons)	(gal/day)		and the second			ug/L	ug/L	_ug/L	ug/L	ug/L	ug/L	ug/L
				ug/L	ug/L	ug/L	ug/L							
04/22/02	895,910	1,741,809	4,814	-					<u> </u>	-		-	•	
05/06/02	895,920	1,741,819		System off; Restart					-	-	-	-	-	-
05/13/02	929,130	1,775,029	4,744	-		-	-		-	<u> </u>		-	•	-
06/03/02	-	1,839,639	-	-	<0.5	< 0.7	< 0.8	< 3.3		ults from EBMUD (sa		BMUD inspector)		
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results	(sample collected by				
06/24/02	1,001,590	1,847,489	374		-	-	-	•	-	•	-	-	-	-
07/08/02		1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	4,710	1	1.2	<0.18	2	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 f	or carbon change					-	-		-	-
08/16/02	1,052,820	1,898,719	-	Restart										
08/30/02	1,069,050	1,914,949	1,159	-	-	-	•	•	•			-	<u> </u>	•
09/20/02		1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	Outlet sampling res	ults from EBMUD (s	ample collected by E	BMUD inspector)		
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	Split-sample results	(sample collected b	y us, analysis by EP	A 624 & 8015M)		
09/30/02	1,110,180	1,956,079	377	-		-	-	-	-	-	•	<u>-</u>	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	128	<0.18	<0.14	<0.18	<0.26	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	9,860	<1.4	29	14	2,420	205
01/08/03	1,189,320	2,025,303	959	Shut down for QWS	L									
01/15/03	1,189,320	2,035,219		Restart						1				
02/24/03	1,169,320	2,069,349	853	-		-	-		-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085		-	-	-	-	-	-	-	•	-	-
03/10/03	1,257,710	2,103,609	2,724				-	-	-	-	-	-		-
03/17/03	1,257,710	2,103,609		Restart		-		_	-	-	•	-	-	-
03/26/03	1,266,150	2,112,049	2,813	TCESTEIL -	_	_		-	-	-	-	-	-	-
		2,117,999	2,813				 			†		-	-	
04/02/03	1,272,100	2,117,999	2,973	<15	<0.04	2.2	<0.02	<0.06	14,000	20	20	2.2	14	9,090
04/07/03	1,286,160		1,129			2.2	-0.02	10.00	11,000					
04/14/03	1,294,060	2,139,959	1,129		-	-		-	-				-	_
04/16/03	1,294,080	2,139,979			-		1							-
04/21/03	1,299,660	2,145,559	1,116	<u> </u>		-				-				-
04/28/03	1,302,140	2,148,039	354	Custom shirt da	l		 	-		 		-	-	
05/05/03	1,302,710	2,148,609	81		for carbon change			<u></u>	-	<u> </u>		-		
05/07/03	1,302,710	2,148,609	-	Restart	<u> </u>			-	-	<u> </u>	-		-	
05/12/03	1,303,230	2,149,129			-	-			-	-	-	-	-	-
05/19/03	1,318,460	2,164,359			-	-		-		<u> </u>	<u>-</u>			-
05/30/03	1,321,830	2,167,729				<u>-</u>	-				-	-		-
06/02/03	1,327,490	2,173,389			-	-	-	-	-	-	.	<u> </u>		
06/09/03	1,336,370	2,182,269			-	-	· -			-	-	-	-	-
06/16/03	1,347,480	2,193,379				-	-	-	-			-	-	
06/23/03	1,359,690	2,205,589			-			-	-	-		-	-	-
07/01/03	1,366,090	2,211,989			<u> </u>			-	<u> </u>	-	-	-	<u> </u>	<u></u>
07/07/03	1,369,730	2,215,629	607		for QWS	-	<u> </u>	-	<u> </u>	-	-	-	<u>-</u>	· · · · · · · · · · · · · · · · · · ·
07/15/03	1,369,730	2,215,629	-	Restart	-		-	-		<u> </u>	-		-	·
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	7,710	<0.04	<0.02	<0.02	<0.06	3,550
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-		-			-	-
08/04/03	1,408,710	2,254,609	2,696	-		-	<u> </u>			-	<u> </u>	<u> </u>	<u> </u>	<u> </u>

		T-1510			OU	TLET / EFFLUE	NT				INLET/IN	VELUENT		
Date	Totalizer	Total/Cum.	Flow	TPH-g	В	Tester	E	X	TPH-g	В	T	E	Х	MTBE
Date	(gallons)	Discharge (gallons)	(gal/day)	7				ug/L	ua/L	ug/L	uq/L	ug/L	ug/L	ug/L
		(gallerie)		ug/L	ug/L	ug/L_	- ug/L	•						uyr.
08/15/03	1,411,520	2,257,419	255	System shut down f	or 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		or 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 t	for QWS				-	-	-	-	-	-
10/08/03	1,431,140	2,277,039	-	Restart	-	-	-	-	-	<u> </u>	-	<u> </u>	-	•
10/10/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30		ults from EBMUD (s				
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	16,200	<0.04	4.4	4.8	46	8,700
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	<u>-</u>		<u> </u>		-
10/22/03	-	-	-	-	< 0.50	< 0.70	< 0.80	< 3.30		ults from EBMUD (s		EBMUD inspector)		
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results	(sample collected b	y us)			
10/27/03	1,435,610	2,281,509	204	-	-	•	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-		-	-	-
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-	-
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	•	
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-		-
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-		-	-	-	-	-
12/17/03	1,462,410	2,308,309	511	-	-	-	-	-	-	-	•	-	-	-
12/26/03	1,468,630	2,314,529	691	-	-	-	-	-		-	-	-	-	-
12/31/03	1,469,710	2,315,609	216	-	-	-	-	-	-	-	-	-	-	-
01/06/04	1,472,000	2,317,899	382	<15	<0.04	<0.02	<0.02	<0.06	7,900	658	1,560	62	1,090	2,170
01/14/04	1,474,650	2,320,549	331	System shut down	for QWS; Restarted	1/15/04			T	-	-			-
01/28/04	-	_	-	-	< 0.50	< 0.70	< 0.80	< 3.30	Outlet sampling res	sults from EBMUD (s	ample collected by I	EBMUD inspector)		
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	Split-sample results	s (sample collected i	y us)			
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-		-
02/10/04	1,494,550	2,340,449	368		-	-	-	-	-	-	-	-	-	-
02/20/04	1,498,790	2,344,689	424	-	-	-	•	-		-	-	-	-	-
02/25/04	1,499,360	2,345,259	114		_	-		-	•	-	-	-		-
03/03/04	1,514,700	2,360,599	2,191	<u> </u>		-		-	-	-	-	-	-	-
03/09/04	1,517,300	2,363,199	433	-		-	-	-			-	-	-	-
03/03/04	1,517,300	2,364,999	225		-	-	-	-	-	-	-	-	-	-
03/17/04	1,519,100	2,304,999	786			-	-		-	-	-	-	-	-
03/24/04	1,524,800	2,375,199	588		 	-		-		-		-	-	-
04/07/04	1,529,300	2,375,199	317		<0.22	<0.32	<0.31	<0.4	1,380	113	93	16	76	191
	1,531,200	2,377,099	257		for QWS on 4/7; Re		1	1	-	-	-	-	-	-
04/14/04		2,378,899	5,425		101 QVV3 011 477, KG	-				-		-	•	-
04/22/04	1,576,400	2,422,299	7,850			<u> </u>	 	-	-	-	-	-	-	-
04/28/04	1,623,500		7,850 5,678	-	-	 	-	<u> </u>	1 -	-			-	
05/06/04	1,668,920	2,514,819			-		-	<u> </u>				 		-
05/13/04	1,691,100	2,536,999	3,169		<u> </u>	-			 			_		•
05/20/04	1,726,500	2,572,399			-	1	1	 		 	-	-	-	-
05/28/04	1,748,910	2,594,809					+	 	 				•	-
06/04/04	1,749,320	2,595,219		Found system off;	To replacement of c	AT AT ICU OIL SWILCH	-					 	•	-
06/11/04	1,749,320	2,595,219		Restarted		 				<u> </u>	 	-	 	
06/16/04	1,751,910	2,597,809	518		L			1	1					

		Total/Cum.		OUTLET/EFFLUE			NT				INLET / INFLUENT				
Date	Totalizer	Discharge	Flow	TPH-a	В	T	E	X	TPH-g	В	T	E	Х	MTBE	
uu.	(gallons)	(gallons)	(gal/day)	ug/L	ug/L	ug/L	ug/E	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
			9779	ugr			99.			_	_	-	-	-	
06/22/04	1,753,550	2,599,449	273	-	-	-		-		-					
07/02/04	1,756,530	2,602,429	298	•	-			<0.4	652	31	<0.32	<0.31	2.1J	383	
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0,32	<0.31		- 652	-			2.10	-	
07/15/04	1,759,260	2,605,159	21	-		-	-		-						
07/22/04	1,760,630	2,606,529	196	-	L		-	-				-		-	
07/28/04	1,762,810	2,608,709		Shut down system	ror carbon change				<u> </u>			-		_	
08/05/04	1,762,810	2,608,709	-	Restarted							<u> </u>	-			
08/12/04	1,765,370	2,611,269	366		-	-	-								
08/20/04	1,767,950	2,613,849	323	-	-	-		<u>-</u>	-		-	-	-		
08/27/04	1,771,100	2,616,999	450	-	-			-					<u> </u>		
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-					<u> </u>		
09/07/04	1,777,590	2,623,489	960	<u> </u>	<u> </u>	<u></u>	-	<u> </u>				-	 		
09/10/04	1,778,460	2,624,359	290	· · · · · · · · · · · · · · · · · · ·	due to operator vac	ation				-	-				
09/29/04	1,778,460	2,624,359	-	Restarted			-0.04	-0.4	- <15	<0.22	<0.32	<0.31	<0.4	20	
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	115	~0.22	V0.32	VO.51	10.4	20	
10/12/04	1,782,540	2,628,439	547	Shut down system	for QWS										
10/21/04	1,782,680	2,628,579	16	Restarted							_	_	 		
10/27/04	1,784,630	2,630,529	325	· · · · · · · · · · · · · · · · · · ·	-	•	-	<u> </u>	-				 	_	
11/03/04	1,784,680	2,630,579		· · · · · · · · · · · · · · · · · · ·	-	-		-	-		-		 		
11/11/04	1,787,490			-	-	-		-	-	-			 		
11/19/04	1,789,350	2,635,249	233		-	-			 		<u> </u>				
12/01/04	1,789,800	<u> </u>			-	•	-	-	<u> </u>	-					
12/10/04	1,792,780				<u> </u>	-		-	1	-		-	-		
12/15/04	1,795,460			-	-	-	-	<u> </u>	<u> </u>		<u></u>		-		
12/22/04	1,798,000				-	<u> </u>	-		-	-	-	<u> </u>			
12/29/04	1,800,580			-			ļ	<0.4	291	9.1	<0.32	1.2 J	<0.4	72	
01/05/05	1,803,140		 	<15	<0.22	<0.32	<0.31	VU.4	- Zai	9.1		1.23			
01/13/05	1,803,290	<u> </u>	19			Restarted on 1/13/05	1		<u>-</u>	-		-	<u> </u>		
01/20/05	1,804,020				for repair and upgra			 	 	-			-	<u> </u>	
04/30/05	1,804,020			<u> </u>	nding repairs and up	grade		_	<u> </u>			_	-		
05/10/05	1,804,020			Restarted system					 	 			-	_	
05/20/05	1,805,010		<u> </u>	Added MW-4 to th	1	<u> </u>		 	-		-	- :			
05/26/05	1,807,630			-	-	-	ļ <u>.</u>		-	<u> </u>	-	-		-	
06/03/05	1,812,100				-	-	-	<u> </u>		-		-	 	 	
06/10/05	1,816,540				<u> </u>	-	-	-	-		-	-	 	 	
06/17/05	1,819,870					-	-		<u> </u>	-	-		-	 	
06/24/05	1,823,140				pump MVV-3	-	ļ		-	-	-		 	<u> </u>	
06/29/05	1,827,540					-	-		 	-		<u> </u>	 		
07/08/05	1,829,830							<0.38	4,270	130	3.6 J	348	188	2,790	
07/14/05	1,829,970				<0.17	<0.22	<0.14	<0.38	4,270	130	3.63	346	- 100	2,750	
07/22/05	1,832,760					-		 	+	-				-	
07/26/05	1,833,920					-	ļ 	1	<u> </u>	-	-		 		
08/05/05	1,833,976				er QWS			-	-		-	-		-	
08/09/05	1,836,930				<u> </u>				Calit appeals as	s during EBMUD ins		 			
08/19/05	1,837,560				<0.10	<0.15	<0.06	<0.40		S CATHING ERMODINS	pection a sampling			-	
08/25/05	1,837,920				for carbon change		-	-		 	-	-		-	
09/01/05	1,837,986			Restarted	-	-	-	 		-	 	-	-	-	
09/09/05	1,838,53	0 2,684,429	9 69	·		<u> </u>	J		<u> </u>	1	J	.l			

Thrifty Oil Co. Station No 063, OAKLAND, CA

		Total/Cum.			OU	TLET / EFFLUE	NT				INLET / IN	FLUENT	2986	
Date	Totalizer	Discharge	Flow	TPH-g	В	T	E	X	TPH-g	В	T	E	Χ	MTBE
Date	(gallons)	(gallons)	(gal/day)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ua/L	ug/L	ug/L	ug/L
		0.007.100	000				_	-	_		-	-	-	-
09/16/05	1,841,230	2,687,129	386	•	-	-	-						-	_
09/23/05	1,843,410	2,689,309	311	-				-			_	-	-	
09/30/05	1,844,820	2,690,719	201	-		<0.15	<0.06	<0.40	2,410	<3.2	<1.0	28 J	<3.0	1,990
10/06/05	1,845,250	2,691,149	72	<2.9	<0.10 or QWS on 10/11/05			70.70	2,410			-	-	
10/11/05	1,846,030	2,691,929		System turned on to	<0.05	<0.07	<0.08	<0.33	Outlet sampling res	ults from FBMUD (sa	ample collected by E	BMUD inspector)		-
10/14/05			-	-		<0.15	<0.06	<0.40		during EBMUD insp			-	_
10/14/05	1,846,590	2,692,489	187	-	<0.10				Split-sample results	daning Edword insp			-	_
10/21/05	1,847,810	2,693,709	174	-		-		-	-					
11/02/05	1,849,720	2,695,619	159		-	•	-	<0.33	Outlet compline see	ulto from ERMUD (e	ample collected by E	BMI (D inspector)		
11/08/05	-	-	-	-	<0.05	0.62	<0.08		Outlet sampling res	uits iioii EbiaoD (s	ample collected by L	- Lispector)		
11/10/05	1,850,760	2,696,659	130	-		-	-	-						_
11/17/05	1,851,420	2,697,319	94		-		-	•		-		-		
11/23/05	1,854,560	2,700,459	523	-	•	-		-	-	-		-		
11/30/05	1,856,650	2,702,549	299	-	-	-		-	-		-		-	
12/09/05	1,858,340	2,704,239	188	-	-	-	-	-	<u> </u>	•	-	-		
12/15/05	1,859,780	2,705,679	240		-			-		-	-	•		
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			-				-	-		-	649
01/11/06	1,867,740	2,713,639	196		<0.32	<0.10	<0.24	<0.30	6,120	210	<0.10	419	130	
01/18/06	1,870,240	2,716,139	357	Shut down system	for QWS and carbor	n change		-	-	-	-	-		-
01/27/06	1,870,280	2,716,179	4	Restarted after QV	VS and carbon chang		-	-	-	<u> </u>			-	<u> </u>
02/01/06	-		•	-	<0.70	<0.67	<0.65	<2.0			ample collected by E	BMUD inspector)		-
02/01/06	1,870,530	2,716,429	50		<0.17	<0.22	<0.14	<0.38		s during EBMUD insp				-
02/10/06	1,877,370	2,723,269	760		-	,	-		-	-	-	-	-	<u> </u>
02/17/06	1,879,230	2,725,129	266		-		-			-	•		-	-
02/24/06	1,880,710	2,726,609	211	-	-	-	•	-	-	<u> </u>	-	-		-
03/01/06	1,882,270	2,728,169	312	-	_	-	-	-	-		•		-	-
03/10/06	1,889,370	2,735,269	789	-	•	<u> </u>	-	-	-	-	-	-	•	
03/17/06	1,889,660	2,735,559	41	-	-	-	-	ļ	-	•	-	-	-	-
03/21/06	1,890,930	2,736,829	318	-	-	-	<u>-</u>	-		-	-	-	-	<u> </u>
03/29/06	1,891,880	2,737,779	119	-		-	-	<u> </u>		-	-	-	-	-
	1									<u> </u>	1			

WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0

Note:

< = less than laboratory detection level indicated

TPH is analyzed by EPA Method 8015 M

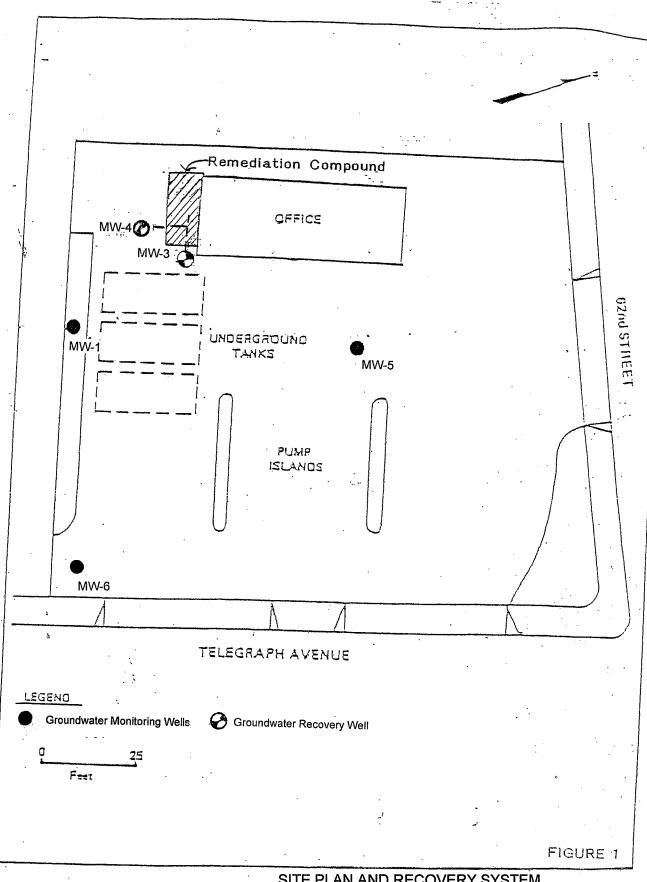
- = no sample / not analyzedNE = Permit Limit not established

BTEX is analyzed by EPA Method 602 or 8020/8021

*MTBE 8020/8260

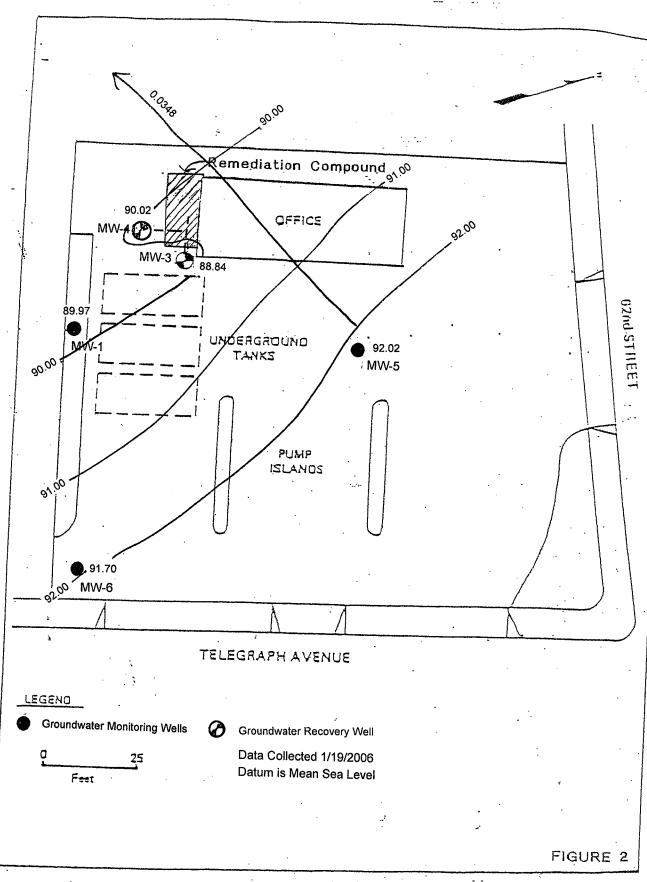
In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system. The total number may be different from previous versions of this table.

FIGURES

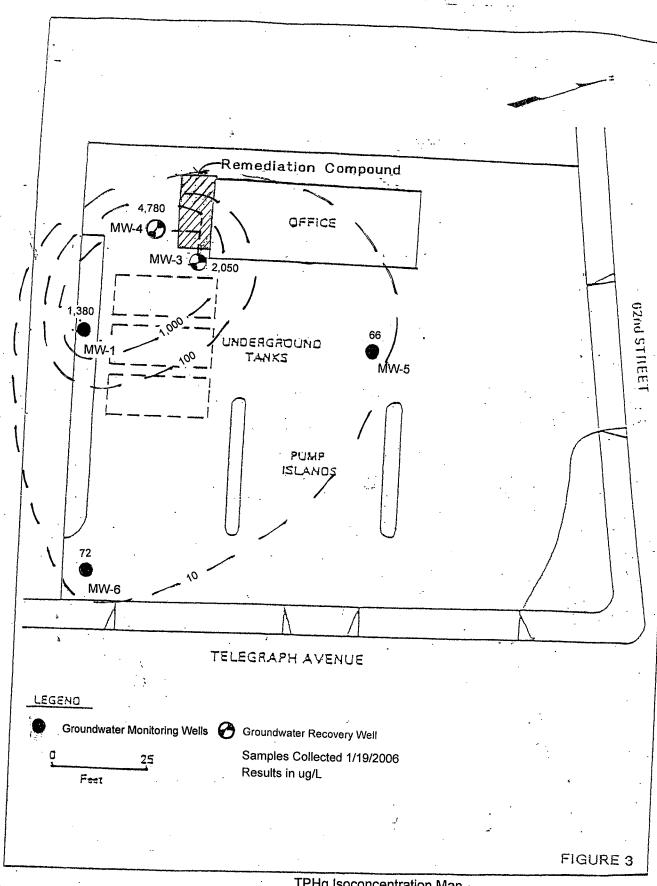


SITE PLAN AND RECOVERY SYSTEM

THRIFTY SERVICE STATION NO. 53 6125 TELEGRAPH ÁVE. OAKLAND, CA

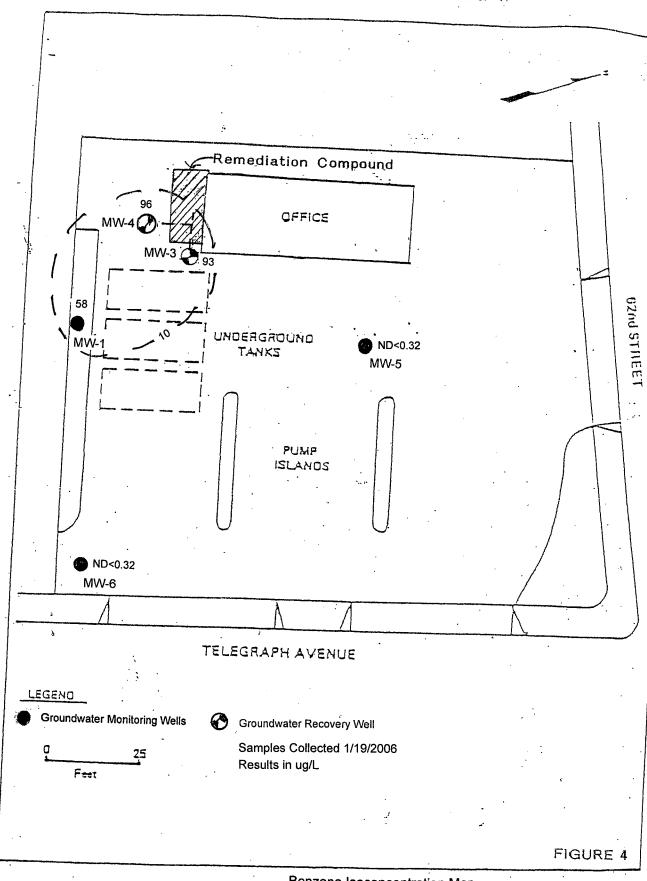


Groundwater Contour Map THRIFTY SERVICE STATION NO. 63 6125 TELEGRAPH ÁVE. OAKLAND, CA

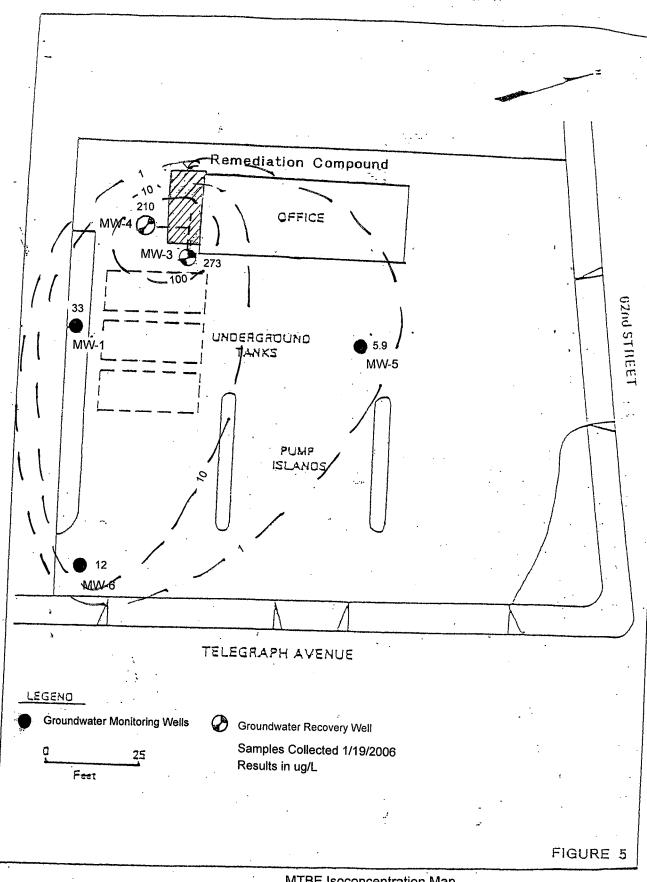


TPHg Isoconcentration Map

THRIFTY SERVICE STATION NO. 63 6125 TELEGRAPH AVE. OAKLAND, CA



Benzene Isoconcentration Map
THRIFTY SERVICE STATION NO. 63
6125 TELEGRAPH ÁVE.
OAKLAND, CA



MTBE Isoconcentration Map
THRIFTY SERVICE STATION NO. 63
6125 TELEGRAPH AVE.
OAKLAND, CA

APPENDIX A



PROJECT STATUS REPO	URI
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SITE: T

THRIFTY OIL CO. #063

ADDRESS: 6125 TELEGRAPH AVE.

OAKLAND, CA.94609

DATE:

01-19-06

PERSONNEL:

SERBAH

WELL	DTP	DTW	DTB	PT	WC	DIA	PURGE (GAL)		COMMENT			
ID	(FT)	(FT)	(FT)	(FT)	(FT)	(IN)	EST.	ACT.				
MONTHLY.	<u> QUARTE</u>											
MW-1		437	28月4			2"	13	125				
MW-2									ABANDONED			
MW-3		Av. 92	28.20			6"	101	101				
MW-4		10.46	29.04			2"	12	12				
MW-5		4.96	26.23			4"	42	42				
MW-6 .		2.74				4"	47	47				
·												
								·				
									·			
FREE PROI	DUCT REA		A DDD OV				E-WATER	I REMOVE	D: APPROX 215 GALLONS			
REMARK	S:		APPROXGALLONS					GE SAMPLING WAS PUSH				
		TH	2000	it si	1 STVE	M						
·												
					•							

EXPLANATION:

REV: 8/28/02

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:		263		Date:	01-19-06				
Address:			· · · · · · · · · · · · · · · · · · ·						
Personnel:	5	ERBAH		Weather:	Sust	dia NA.			
Well No:		1W-1	·	_Equip:		THER DIA	<u> </u>		
					2)67	I LEK			
		·							
Before Pur	zing:					·			
Total Well I	Depth: (ft_)	22	ુંધ	Well Diames	.a.e.	24			
Depth to Wa	iter (fi)		37	Est. Purec V	,	13			
				- Cree v	Offine:				
<u> </u>		•					÷		
Sampling D	ata:								
•	•								
Initial Turbi	dicv:		•	Final Turbid	irv	•			
Time	8.44	8:43	8:52	8:56	9;00		· .		
EC	1560	1530	15hu.	1520	1530				
pH	5.97	6.03	6.11	6.09	6.04				
Temp	71.3	7.1.4	.71.2	71.35	71.2				
Gal.	1 2	5	7	10	13				
			·:				,		
	<u> </u>	· · · · · ·	• :		, s v.				
Time			•						
EC	·				:	:			
PH		,							
Temp							· · · · · · · · · · · · · · · · · · ·		
Gal.									
							<u> </u>		
After Purgi	og/Before San	aple Collecti	0n						

Total Weil Depth(ft).

28.94

14.04

Depth to Water (ft.)

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	·ed	063		Date: 01-19-06					
Address:				•		······································			
Personnel:		SERBAH		Weather: SUHHY DAY					
Well No:	/	vuv-G		Equip: BAILER					
						g- 7 a 1 va-			
							•		
Before Purg	ing:					<u> </u>			
Total Well D	Pepth: (ft.)	26	.20	Well Diamet	>=	L_{i}^{l}	<i>,</i>		
Depth to Wa	ter (ft)		.74	Est. Purge V			47		
				St. 1 Cige v	Otulie:				
-		•							
Sampling D	ata:								
							!		
Initial Turbic	inv:			Final Tooling	·				
Time	9:16	9:27	86.6	Final Turbid	10:00				
EC	1470	1460	1450	1480	1470				
рН	6.03	6.06	6.03	6.06	6.03				
Temp	Til	TH. 6	71.3	71.2	71.3				
Gal.	Q	18	28	37	47				
	11		:	7 23 4	4 7				
					, ~~~				
Time				1					
EC		·							
рH	·	.,,-							
Temp							<u> </u>		
Gal.				. A					
				<u> </u>					
				•	•		÷		
After Purvi	og/Before San	nnla C-ll-		V					
Depth to Wa	ter (fr.)			<u>]</u>		en e			
	mi (IL)	<u>1ა.</u>	04	Total Weil D	epth(ft).	-6.80			

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site: Address:		t 063		Date:	0,00	1-19-0	6
Personnel:		SERBA					
Well No:		MW-3	1	Weather:	5U	NHY .	DAY
				Equip:	86	PLER	
Before Pu							
Total Well	Depth: (ft.)	22	.20	111.11.5.			
Depth to W	ater (ft)		92.	_Well Diame			ar li
				Est. Purge \	∕olume:		01
Sampling I)2t2:						
		21					
nitial Turbi	dity:			***		• • •	
Cime	10:02	10:24	10:46	Final Turbid			en e
C H	1680	1710	1740	11:03	11:30		
Н	6.01	6.09	6.17	1740	1730		
emp	71.2	11.3	3.45	6. M	6.04		
ial.	20	40	60	71.4	71.3		
			0.0	80	201		
ime							
С							
Н							
emp							
al.							

After Purging/Befor	e Sample Collection				
Depth to Water (ft.)	Pia All	~			
		Total Weil Dep	vth(ft). $2-2$	1.20	

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Sice:		H 063		Date:	31-	19-06	
Address:				<u>.</u> .		7-1 0 03	
Personnel:		SERBA	†	Weather:	8112	HIL DA	
Well No:		MW-5		Equip:	BA-	HY DAG	1
Before Pure							
Total Well [26.	22	Well Diames	ær	4!	i
Depth to Wa	iter (ft)	4	96 ·	Well Diamer Est. Purge V	olume:	42	
	•	•					
					•		
Sampling Da	ata:						•
		,				•	
Initial Turbic				Final Turbid	irv•		
Time	11:40	11:50	12:00	12:10	12:20		
EC	1640	1780	1770	1740	1730		
рН	5.43	5.47	6.03	6.01	6.06		
Temp	71.h	71.2	70.4	707	70.6		
Gal.	\mathcal{E}	16	25	33	42		
			;	*			
· · · · · · · · · · · · · · · · · · ·							
Time							
EC							···
Н							
Гетр							
Gal.							

Total Weil Depth(ft).

26.22

After Purging/Before Sample Collection

14.12

Depth to Water (ft.)

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:		# 063		Date:	01-	01-14-06		
Address:	· ·			···			**************************************	
Personnel:	1272	SERBA	1+	Weather:	SUJA	411 12 14		
Well No:		14W-4		Equip:	8/2	ty Dity		
· /								
Before Pu							-	
	Depth: (ft.)	29	.04	_Well Diamer	er	21		
Depth to V	Vater (ft)	LO.	ire.	Est. Purge V		12		
		,			ordine.	J. 4-		
Sampling	Data:							
	•				. •			
Initial Turb	oidity:			Final Turbidi	TV•			
Time	12:24	12:28	12:32	12:36	12:40	T		
EC	1340	1370	1390	1370	1370			
рH	5.27	5.86	5.43	6.03	6.03			
Temp	71.11	71.3	71.2	71.3	7/2			
Gal.	2	Ü	7	9	12			
•			;					
-								
Time							· 	
EC								
ЭН								
Гетр								
Gal.								

After Purging/Before Sample Collection	
Depth to Water (ft.) 15.06	Total Weil Depth(ft). 24.04

APPENDIX B



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

FAX 714/538-1209

CLIENT Thrifty Oil Company

(8871)

LAB REQUEST

163310

ATTN: Jeff Suryakusuma

13116 Imperial Hwy.

REPORTED

01/30/2006

P.O. Box 2128

Santa Fe Springs, CA 90670

RECEIVED

01/20/2006

PROJECT

Station #063

6125 Telegraph Ave., Oakland

SUBMITTER

Client

COMMENTS

Global ID #T0600101366

* Matrix Interference.

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
681848	TOC #063 MW-1
681849	TOC #063 MW-6
681850	TOC #063 MW-3
681851	TOC #063 MW-5
681852	TOC #063 MW-4
681853	TOC #063 Trip Blank
681854	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.

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 Chemicai Microbiological Environmental Order #: 681848 Matrix: WATER

Clier ample ID: TOC #063 MW-1

Date Sampled: 01/19/2006 Time Sampled: 12:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	01/25/06 QN
Methanol	ND	1	50	20	mg/L	01/25/06 QN
8260B BTEX/MTBE Only						
Benzene	58	1	1	0.32	ug/L	01/26/06 LB
Ethyl benzene	62	1	5	0.24	ug/L	01/26/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	01/26/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	01/26/06 LB
Methyl-tert-butylether (MTBE)	33	1	1	0.63	ug/L	01/26/06 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	01/26/06 LB
Tertiary butyl alcohol (TBA)	27	1	10	10	ug/L	01/26/06 LB
Toluene	ND	1	5	0.10	ug/L	01/26/06 LB
Xylenes, total	113	1	5	0.3	ug/L	01/26/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	90				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	98				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	122		.,,,,		%	70 - 130
8015B - Gasoline						
Gasoline	1380	1	50	2.9	ug/L	01/24/06 SU
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	130				%	55 - 200



Order #: 681849 Matrix: WATER

Clien ample ID: TOC #063 MW-6

Date Sampled: 01/19/2006 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID					
Ethanol	ND	1	50	20 mg/L	01/25/06 QN
Methanol	ND	1	50	20 mg/L	01/25/06 QN
8260B BTEX/MTBE Only					
Benzene	ND	<u>1</u>	1	0.32 ug/L	01/26/06 LB
Ethyl benzene	ND	1	5	0.24 ug/L	01/26/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17 ug/L	01/26/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29 ug/L	01/26/06 LB
Methyl-tert-butylether (MTBE)	12	1	1	0.63 ug/L	01/26/06 LB
Tert-amylmethylether (TAME)	2.7	1	1	0.28 ug/L	01/26/06 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	01/26/06 LB
Toluene	ND	1	5	0.10 ug/L	01/26/06 LB
Xylenes, total	ND	1	5	0.3 ug/L	01/26/06 LB
Surrogates				Units	Control Limits
Surr1 - Dibromofluoromethane	89			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	119			%	70 - 130
Surr3 - Toluene-d8	106			%	70 - 130
Surr4 - p-Bromofluorobenzene	123			%	70 - 130
8015B - Gasoline				***************************************	
Gasoline	72	1	50	2.9 ug/L	01/24/06 SU
Surrogates				Units	Control Limits
a,a,a-Trifluorotoluene	101			%	55 - 200



Order #: 681850

Matrix: WATER

Clier ample ID: TOC #063 MW-3

Date Sampled: 01/19/2006 Time Sampled: 13:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	01/25/06 QN
Methanol	ND	1	50	20	mg/L	01/25/06 QN
8260B BTEX/MTBE Only						
Benzene	93	1	1	0.32	ug/L	01/28/06 LB
Ethyl benzene	103	1	5	0.24	ug/L	01/28/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	01/28/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	01/28/06 LB
Methyl-tert-butylether (MTBE)	273	1	1	0.63	ug/L	01/28/06 LB
Tert-amylmethylether (TAME)	3.9	1	1	0.28	ug/L	01/28/06 LB
Tertiary butyl alcohol (TBA)	167	1	10	10	ug/L	01/28/06 LB
Toluene	2.2 J	1	5	0.10	ug/L	01/28/06 LB
Xylenes, total	55	1	5	0.3	ug/L	01/28/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	87				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	97				%	70 - 130
Surr3 - Toluene-d8	101				%	70 - 130
Surr4 - p-Bromofluorobenzene	124				%	70 - 130
8015B - Gasoline						· · · · · · · · · · · · · · · · · · ·
Gasoline	2050	1	50	2.9	ug/L	01/24/06 SU
Surrogates					Units	Control Limits
a,a,a-Tritluorotoluene	210*				%	55 - 200

$$\label{eq:pql} \begin{split} PQL = & Practical \ Quantitation \ Limit, \ MDL = Method \ detection \ limit, \ DF = Dilution \ Factor \ ND = Not \ detected \ below \ indicated \ MDL, \ J=Trace \end{split}$$



Order #: 681851

Matrix: WATER

Clier 'ample ID: TOC #063 MW-5

Date Sampled: 01/19/2006 Time Sampled: 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	01/25/06 QN
Methanol	ND	1	50	20	mg/L	01/25/06 QN
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.32	ug/L	01/26/06 LB
Ethyl benzene	ND	1	5	0.24	ug/L	01/26/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	01/26/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	01/26/06 LB
Methyl-tert-butylether (MTBE)	5.9	1	1	0.63	ug/L	01/26/06 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	01/26/06 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	01/26/06 LB
Toluene	ND	1	5	0.10	ug/L	01/26/06 LB
Xylenes, total	ND	1	5	0.3	ug/L	01/26/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	86			1.1.1.1.1.	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 130
Surr3 - Toluene-d8	104		······································		%	70 - 130
Surr4 - p-Bromofluorobenzene	127				%	70 - 130
8015B - Gasoline						
Gasoline	66	1	50	2.9	ug/L	01/24/06 SU
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	95	······································			%	55 - 200



Order #: 681852 Matrix: WATER

'ample ID: TOC #063 MW-4

Date Sampled: 01/19/2006 Time Sampled: 14:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						-
Ethanol	ND	1	50	20	mg/L	01/25/06 QN
Methanol	ND	1	50	20	mg/L	01/25/06 QN
8260B BTEX/MTBE Only						
Benzene	96	1	1	0.32	ug/L	01/28/06 LB
Ethyl benzene	183	1	5	0.24	ug/L	01/28/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	01/28/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	01/28/06 LB
Methyl-tert-butylether (MTBE)	210	1	1	0.63	ug/L	01/28/06 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	01/28/06 LB
Tertiary butyl alcohol (TBA)	138	1	10	10	ug/L	01/28/06 LB
Toluene	1.9 J	1	5	0.10	ug/L	01/28/06 LB
Xylenes, total	57	1	5	0.3	ug/L	01/28/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	81				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	93	•••			%	70 - 130
Surr3 - Toluene-d8	93				%	70 - 130
Surr4 - p-Bromofluorobenzene	129				%	70 - 130
8015B - Gasoline						
Gasoline	4780	10	500.0	2.9	ug/L	01/24/06 SU
Surrogates			•		Units	Control Limits
a,a,a-Trifluorotoluene	146				%	55 - 200



Order #: 681853 Matrix: WATER

Clier 'ample ID: TOC #063 Trip Blank

Date Sampled: 01/19/2006 Time Sampled: 00:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.32	ug/L	01/26/06 LB
Ethyl benzene	ND	1	5	0.24	ug/L	01/26/06 LB
Toluene	ND	1	5	0.10	ug/L	01/26/06 LB
Xylenes, total	ND	1	5	0.3	ug/L	01/26/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	86			•	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	119				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	2.9	ug/L	01/25/06 SU
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	90				%	55 - 200



Order #: 681854 Clier ample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	01/25/06 QN
Methanol	ND	1	50	20	mg/L	01/25/06 QN
8260B BTEX/MTBE Only						***************************************
Benzene	ND	1	1	0.32	ug/L	01/25/06 LB
Ethyl benzene	ND	1	5	0.24	ug/L	01/25/06 LB
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	01/25/06 LB
Isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	01/25/06 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	01/25/06 LB
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	01/25/06 LB
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	01/25/06 LB
Toluene	ND	1	5	0.10	ug/L	01/25/06 LB
Xylenes, total	ND	1	5	0.3	ug/L	01/25/06 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	85				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 130
Surr3 - Toluene-d8	101		1		%	70 - 130
Surr4 - p-Bromofluorobenzene	130				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	2.9	ug/L	01/24/06 SU
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	90	· · · · · · · · · · · · · · · · · · ·			%	55 - 200



ASSOCIATED LABORATORIES LCS REPORT FORM

QC Sample:

LCS/LCSD

Matrix:

WATER

Prep. Date:

January 24, 2006

Analysis Date

01/24/06-01/25/06

ID#'s in Batch:

LR 163353, 163310, 163354,

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	596	578	119	116	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			130
RPD LIMITS	=	30	

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	90
LCS	178
LCSD	179

AAA-TFT = a, a, a-Trifluorotoluene

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

Sample ID: MS/MSD-water sample 163399-315

Date Analyzed: January 28, 2006

6:17pm

Sample Matrix: water

Units: µg/L

Applies to LR: 163310, 163399

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	42.10	43.17	84	86	3	22	59 - 172
MTBE	0.00	50.0	45.08	46.15	90.	92	2	24	62 - 137
Benzene	0.00	50.0	42.69	46.12	85	92	8	24	62 - 137
Trichloroethene	0.00	50.0	42.67	44.20	85	88	4	21	66 - 142
Toluene	0.00	50.0	44.64	44.76	89	90	. 0	21	59 - 139
Chlorobenzene	0.00	50.0	44.53	45.15	89	90	1	21	60 - 133

^{* =} Outside QC limits due to high concentration in sample

Sample ID: LCS - water

Date Analyzed: January 28, 2006

2:12pm

Sample Matrix: water

Units: µg/L

	Sample	Spike	Spike	Spike	QC	Limits
Compound	Conc.	Added	Res	% Rec	RPD	% Rec
1,1-Dichloroethene	0.00	50.0	43.59	87	22	59 - 172
MTBE	0.00	50.0	46.22	92	24	62 - 137
Benzene	0.00	50.0	46.02	92	24	62 - 137
Trichloroethene	0.00	50.0	42.90	86	21	66 - 142
Toluene	0.00	50.0	46.30	93	21	59 - 139
Chlorobenzene	0.00	50.0	44.96	90	21	60 - 133

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

Surrogate Recovery GCMS # 3

						Limits
Compound	MB3	MB4	MS	MSD	LCS	% Rec
Dibromofluoromethane	82	89	98	103	105	70-135
1,2-Dichloroethane-d4	113	115	98	99	96	70-135
Toluene-d8	102	101	100	101	104	70-135
p-Bromofluorobenzene	126	116	125	123	125	70-135

ASSOCIATED LABORATORIES LCS REPORT FORM

QC Sample:

LCS / LCSD

Matrix:

WATER

Prep. Date:

01/25/06

Analysis Date:

01/25/06

ID#'s in Batch:

LR 163310; LR 163397

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULT

Reporting Units =

mg/L

Test	Method	Blank Result	Spike Added	LCS Spike	LCSD Spike Dup	%Rec LCS	%Rec LCSD	% RPD
Methanol	D285	ND	100	108.1	106.1	108	106	2
Ethanol	D285	ND	100	103.4	102.2	103	102	1

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

% REC LIMITS = 70 - 130 RPD LIMITS = 25

Method Blank - All ND

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

Sample ID: MS/MSD-water sample 163405-361

Date Analyzed: January 26, 2006

7:31am

Sample Matrix: water

Units: µg/L

Applies to LR: 163288, 163310, 163405

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	45.04	46.62	90	93	3	22	59 - 172
MTBE	13.66	50.0	52.99	58.22	79	89	9	24	62 - 137
Benzene	1.06	50.0	44.28	48.86	86	96	10	24	62 - 137
Trichloroethene	0.00	50.0	42.27	46.16	85	92	9	21	66 - 142
Toluene	3.20	50.0	49.11	52.75	92	99	7	21	59 - 139
Chlorobenzene	0.00	50.0	44.72	47.47	89	95	6	21	60 - 133

^{* =} Outside QC limits due to high concentration in sample

Sample ID: LCS - water

Date Analyzed: January 25, 2006

10:43pm

Sample Matrix: water

Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res	Spike % Rec	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	47.50	95	22	59 - 172
MTBE	0.00	50.0	47.14	94	24	62 - 137
Benzene	0.00	50.0	46.15	92	24	62 - 137
Trichloroethene	0.00	50.0	46.68	93	21	66 - 142
Toluene	0.00	50.0	49.21	98	21	59 - 139
Chlorobenzene	0.00	50.0	49.59	99	21	60 - 133

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

Surrogate Recovery GCMS # 3

	*					Limits
Compound	MB1	MB2	MS	MSD	LCS	% Rec
Dibromofluoromethane	85	79	92	99	102	70-135
1,2-Dichloroethane-d4	118	111	94	103	100	70-135
Toluene-d8	101	103	104	109	102	70-135
p-Bromofluorobenzene	130	123	128	127	119	70-135

Chain of Custody Record

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

ASSOCIATED LABORATORIES

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

4:10

1-2306

Company --- ; A.L. Job No. Project Manager Fax SURUARUSUMA **Analysis Requested Test Instructions & Comments** Project Name Project # 260B **GRAPPI** Site Name TELECRAPH #T0600101366 30161 and Address 94609 (X) BI EX Container Sample ID Date Matrix Pres. Lab ID Time Number/Size 01-19-06 12:504,0 HEL AHHLYSTS REQUIRED 3-VOA MINU-1 13:00 MW-6 FOR OXYGENATIES MW-3 13.35 X COMPOSHAS USED IN X 14:30 * MW-5 CA. GASOLIHE BY X MW-4 14 45 × MESTITOD EPA 82606 × × 00 .66 2-104 TEND CLAN 1-METHAHOL 2-ETHAHOL 2-TERTIMPY BUTHHOU 4-MTBE 5-DIPE 6-ETBE 7-TAME Relinquished by S. O Relinquished by Relinquished by 3. Sample Receipt - To Be Filled By Laboratory Signature: Signature: **Total Number of Containers** Properly Cooled Y/N/NA Printed Name: Printed Name: Samples Intact Y / N / NA Custody Seals Y/N/NA Date: Time: Date: Time: Samples Accepted Y/N Received in Good Condition Y/N 3. Received By: Received By: **Turn Around Time** Signature: ☐ 48 hrs. ☐ Same Day Printed Name: Printed Name: **☑** Normal ☐ Rush ☐ 72 hrs. 24 hrs. Time: Date: Time: