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AMIR

THRIFTY OIL CO.

April 5, 2005

O.55847

Ms. Susan Hugo
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Local #3871
RWQCB #01-1479
Global ID #T0600101366
Confirmation #5166302084

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
1st Quarter 2005, Status Report

Alameda County

APR 08 2005

Environmental Health

Dear Ms. Hugo:

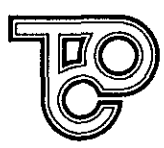
Presented herein is the First Quarter 2005, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report presents the results of the site monitoring and remedial activities in the first quarter of 2005. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling and remedial system monitoring activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. In general, groundwater occurred beneath the station at depths ranging from 13.02 feet below top of casing (btc) in monitoring well MW-6 to 15.61 feet btc in monitoring well MW-3 on January 6, 2005. A groundwater elevation contour map based on the January 6, 2005, data is presented in **Figure 2**. The groundwater flow direction is to the southwest at an approximate gradient of 0.0444 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-4, MW-5, and MW-6 on January 6, 2005. Groundwater from recovery well MW-3 was also sampled on January 6, 2005, because the system was shut down for quarterly monitoring/sampling. 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) by EPA Method 8260B. Laboratory analytical sampling results are provided in **Table 1** and **Table 2** (other oxygenates). 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, benzene, and MTBE were in monitoring well MW-4, with concentrations of 4,880 micrograms per liter (ug/L), 60 ug/L, and 4,760 ug/L, respectively.

Remediation Status

Site remedial activities were initiated in April 1991. Presently, the remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring well MW-3 with treatment utilizing activated carbon. System operational data is included in **Table 3** and **Appendix C**. During this reporting period from December 15, 2004 through March 31, 2005, the groundwater treatment system processed approximately 8,560 gallons of groundwater and has treated approximately 2,649,919 gallons of groundwater since start-up (April 1991). The system was shut down for quarterly groundwater sampling from January 5, 2005 through January 13, 2005. The system was also shut down for repairs to the pump and controller of the existing system on January 20, 2005. Since the existing pump controller for well MW-3 was old and was considered irreparable, the pump for MW-3 will be replaced by a control-less submersible pump instead of an aboveground pump. During the preparations for pump upgrade for MW-3 in February 2005, it was also found that the hoses and tubing between MW-3 and the compound needed to be replaced due to their age. Repairs to the existing system are expected to be completed by mid April 2005.

In the 2nd Quarter 2004 Status Report, Thrifty indicated that because more than 60 days had elapsed since the initial request to the ACHCA to connect well MW-4 to the existing remediation system, Thrifty was going to proceed with connecting well MW-4 to the system. Thrifty retained Advanced GeoEnvironmental, Inc. to connect well MW-4 to the system. System piping has been installed and start-up of well MW-4 will be coordinated with repairs to the system. As stated above, the upgraded groundwater recovery system is expected to be started in mid April 2005.

Inlet, intermediate 3, intermediate 2, intermediate 1, and outlet water samples were collected on January 5, 2005. The system water samples collected by EMC were sent to a state certified laboratory for analysis. The samples were analyzed for TPHg by EPA Method 8015M and for BTEX and MTBE by EPA Method 8021B. All outlet sample constituents were below the laboratory method detection limit (MDL). Inlet water sample results indicated TPHg at 291 ug/L, benzene at 9.1 ug/L, and MTBE at 72 ug/L. Copies of the laboratory analytical reports are included in **Appendix D**.

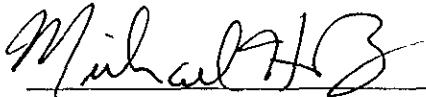
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Closing Comments

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 2005 monitoring report.

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

Sincerely,



Michael H. Bowery, R.G.
Project Manager



Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Mr. Jack Oman

File

TABLES

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBK (ug/L)					
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 J	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
MONITORING WELL #MW-2 Screen Interval = 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	-	-	-	-	-	-	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	-	-	-	-	-	-	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
04/12/94	-	-	-	-	-	-	15.54	FILM	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	17.93	FILM	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	17.20	NP	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	17.26	NP	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250	-	-	-	-	-
10/09/96	-	-	-	-	-	-	14.42	NP	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	10.25	NP	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20	-	-	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	17.20	NP	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	16.20	NP	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.26	16.18	0.08	100.01	83.81
Well Abandoned 1/30/98											

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
MONITORING WELL #MW-3											
<i>Screen Interval = 15 to 30 feet</i>						<i>(GROUNDWATER SYSTEM'S PUMPING WELL)</i>					
11/21/86	-	100	51	<10	25	-	16.25	0.10	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	24.00	NP	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	18.10	NP	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	25.80	SHEEN	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	15.60	NP	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	25.10	FILM	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	25.20	NP	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	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	-	-	-	-	-	-	25.70	NP	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	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	-	-	-	-	-	-	20.10	NP	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	14.40	NP	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-	-	-	-	-	-
01/20/99	-	-	-	-	-	-	-	-	-	-	-
04/16/99	-	-	-	-	-	-	11.20	NP	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	25.87	NP	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	15.40	NP	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	14.25	NP	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	14.20	NP	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	15.12	NP	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	14.30	NP	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	14.32	NP	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	13.46	NP	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-	-	-	-	-	-
07/16/01	-	-	-	-	-	-	12.80	NP	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	15.30	NP	0.00	99.76	84.46
01/23/02	-	-	-	-	-	-	-	-	-	-	-
04/10/02	-	-	-	-	-	-	13.22	NP	0.00	99.76	86.54

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/24/02	-	-	-	-	-	-	14.32	NP	0.00	99.76	85.44
10/30/02	-	-	-	-	-	-	16.20	NP	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	14.10	NP	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-	-	-	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	18.30	NP	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	16.65	NP	0.00	99.76	83.11
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	14.18	NP	0.00	99.76	85.58
04/14/04	464	63	18	<0.31	16	189	13.45	NP	0.00	99.76	86.32
07/29/04	1,560	74	<3.2	30 J	<4.0	729	15.94	NP	0.00	99.76	83.82
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	16.11	NP	0.00	99.76	83.65
01/06/05	394	12	<0.32	1.5 J	<0.4	51	15.61	NP	0.00	99.76	84.15
MONITORING WELL #MW-4											
<i>Screen Interval = 9 to 29 feet</i>											
11/21/86	100,000	3,200	2,700	2,400	14,000	-	16.22	FILM	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.80	21.35	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	20.02	SHEEN	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	19.78	SHEEN	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	13.94	FILM	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	19.27	FILM	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	21.44	FILM	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	14.08	FILM	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	16.09	FILM	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	21.33	FILM	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	20.45	FILM	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	19.05	FILM	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	20.41	FILM	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	19.89	NP	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	19.62	NP	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600	-	-	-	-	-
10/09/96	-	-	-	-	-	-	15.32	NP	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	10.80	NP	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000	-	-	-	-	-
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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/20/99	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
01/10/01	<50	<0.18	2	<0.18	1	962	10.75	NP	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	12.26	NP	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	13.80	NP	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	16.87	NP	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	12.28	NP	0.00	100.48	88.20
04/10/02	655	7	8	1	1	587	13.80	NP	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	15.33	NP	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	17.00	NP	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	16.84	NP	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	16.86	NP	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	10.69	NP	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	16.32	NP	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	14.67	NP	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	13.68	NP	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	15.50	NP	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	16.08	NP	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	15.24	NP	0.00	100.48	85.24
MONITORING WELL #MW-5											
<i>Screen Interval - 7 to 27 feet</i>											
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	16.10	NP	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	18.20	NP	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	17.67	NP	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-	-	-	-	-	-
03/24/92	-	-	-	-	-	-	12.98	NP	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	17.29	NP	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	18.92	NP	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	13.12	NP	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	16.15	NP	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	18.75	NP	0.00	100.98	82.23

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	17.80	NP	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	13.59	NP	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	18.26	NP	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1	-	-	-	-	-	-
01/15/96	1,900	21	13	62	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	-	NP	-	-	-
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	-	-	-	-	-
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
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	15.55	NP	0.00	101.98	86.43
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.93	NP	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	16.35	NP	0.00	101.98	85.63
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	15.06	NP	0.00	101.98	86.92
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.96	NP	0.00	101.98	88.02

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MIBE (ug/L)					
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	15.60	NP	0.00	101.98	86.38
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	16.17	NP	0.00	101.98	85.81
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	15.52	NP	0.00	101.98	86.46
MONITORING WELL #MW-6 Screen Interval = 7 to 27 feet											
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	12.64	NP	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-	-	-	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-	-	-	-	-	-
03/24/92	-	-	-	-	-	-	10.04	NP	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	13.29	NP	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	14.69	NP	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	10.87	NP	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	13.10	NP	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	14.43	NP	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	13.56	NP	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	12.10	NP	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	14.16	NP	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	14.29	NP	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	14.32	NP	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110	-	-	-	-	-
10/09/96	-	-	-	-	-	-	12.09	NP	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	9.85	NP	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	14.20	NP	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	13.10	NP	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	9.80	NP	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	12.30	NP	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5	14.30	NP	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5	13.60	NP	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.50	NP	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5	14.65	NP	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5	15.39	NP	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5	13.85	NP	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	9.65	NP	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	13.10	NP	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	12.35	NP	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	12.30	NP	0.00	100.44	88.14

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	13.45	NP	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	9.65	NP	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.09	NP	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	15.37	NP	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.27	NP	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.07	NP	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	13.86	NP	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	14.20	NP	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	15.35	NP	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	14.58	NP	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	15.35	NP	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	13.80	NP	0.00	100.44	86.64
01/15/04	<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
07/29/04	<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

NOTE: NP = No free hydrocarbon product
 " - " = Not analyzed / Not available
 * MTBE 8020 / 8260

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

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

DATE SAMPLED	OXYGENATES			
	Di-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)
MONITORING WELL # MW-1				
10/16/97	<20	<20	<20	3,900
01/07/98	<20	<20	92	<500
04/03/98	<20	<20	65	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	15	487
DISCONTINUED ANALYSIS				
MONITORING WELL # MW-2				
10/16/97	<20	<20	<20	<500
DISCONTINUED ANALYSIS				
MONITORING WELL # MW-3 (GROUNDWATER SYSTEM'S PUMPING WELL)				
10/16/97	-	-	-	-
01/07/98	-	-	-	-
04/03/98	-	-	-	-
07/14/03	<0.29	<0.17	24	608
10/08/03	<0.29	<0.17	30	<10
DISCONTINUED ANALYSIS				
MONITORING WELL # MW-4				
10/16/97	<20	<20	<20	14,000
01/07/98	<20	<20	230	<500
04/03/98	<200	<200	<200	<5,000
07/14/03	<0.29	<0.17	62	2,490
10/08/03	<2.9	<1.7	101	<100
DISCONTINUED ANALYSIS				
MONITORING WELL # MW-5				
10/16/97	<20	<20	<20	4,700
01/07/98	<20	<20	<20	<500
04/03/98	<20	<20	<20	<500
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10
DISCONTINUED ANALYSIS				
MONITORING WELL # MW-6				
10/16/97	<20	<20	<20	<500
01/07/98	<20	<20	40	<500
04/03/98	-	-	-	-
07/14/03	<0.29	<0.17	<0.28	<10
10/08/03	<0.29	<0.17	<0.28	<10
DISCONTINUED ANALYSIS				

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

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

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

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				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
7/13/1992	197,890	196,221	-	System shut down for repair of electrical motor											
8/10/1992	197,890	196,221	-	Restart the system											
8/17/1992	201,300	199,631	487	-	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-
9/14/1992	209,647	207,978	298	-	<0.5	<0.5	<0.5	<1	-	-	<0.5	<0.5	<0.5	<1	-
10/5/1992	217,360	215,691	367	<200	<0.5	<0.5	<0.5	<1	-	<200	<0.5	<0.5	<0.5	<1	-
11/09/92	225,780	224,111	241	-	<0.5	<0.5	<0.5	<1	-	-	1.1	0.5	<0.5	10	-
12/14/92	243,048	241,379	493	-	<0.5	<0.5	<0.5	<1	-	-	720	46	<10	1,700	-
01/04/93	252,510	250,841	451	-	<0.5	<0.5	<0.5	<1	-	-	400	32	<25	520	-
02/15/93	266,210	264,541	326	<200	<0.5	<0.5	<0.5	<1	-	9,000	1,400	330	260	1,200	-
03/08/93	269,330	267,661	149	-	<0.5	<0.5	<0.5	<1	-	-	1,100	150	7.5	1,000	-
04/26/93	271,290	269,621	40	<100	<0.5	<0.5	<0.5	<1	-	7,200	1,100	100	25	780	-
04/26/93	271,290	269,621	-	System shut down for repair											
07/15/93	272,577	270,908	16	Restart the system											
08/11/93	284,230	282,561	432	-	<0.5	<0.5	<0.5	<1	-	-	1.3	<0.5	<0.5	1.6	-
09/16/93	298,832	297,163	406	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-
10/08/93	305,641	303,972	310	-	-	-	-	-	-	-	-	-	-	-	-
10/11/93	307,068	305,399	476	<60	<0.3	<0.3	<0.3	<0.6	-	<60	<0.3	<0.3	<0.3	<0.6	-
10/15/93	308,495	306,826	357	-	-	-	-	-	-	-	-	-	-	-	-
11/12/93	318,203	316,534	347	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
12/10/93	329,947	328,278	419	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
01/13/94	345,860	344,191	468	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	<0.5	-
02/10/94	359,662	357,993	493	-	<0.3	<0.3	<0.3	<0.5	-	-	430	41	36	480	-
02/18/94	618,620	357,993	-	Changed air filters. The water flowmeter jumped from 359,662 to 618,620.											
03/10/94	627,540	366,913	446	-	<0.3	<0.3	<0.3	<0.5	-	-	<0.3	<0.3	<0.3	7.7	-
04/14/94	645,330	384,703	508	<50	<0.3	<0.3	<0.3	<0.5	-	170	1.5	<0.3	0.38	0.73	-
05/19/94	653,520	392,893	234	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	46	4.1	0.5	84	-
06/16/94	664,015	403,388	375	<50	<0.3	<0.3	<0.3	<0.5	-	12,000	860	37	<13	1,600	-
07/14/94	672,750	412,123	312	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
08/11/94	681,920	421,293	328	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
09/15/94	692,083	431,456	290	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
10/17/94	699,979	439,352	247	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
01/10/95	742,072	481,445	339	-	-	-	-	-	-	-	-	-	-	-	-
01/16/95	742,074	481,447	0	System shut down for repair of compressor pump											
02/06/95	742,074	481,447	-	Restart the system											
02/13/95	744,063	483,436	284	<50	<0.3	<0.3	<0.5	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-
03/13/95	758,930	498,303	531	<100	<0.5	<0.5	<0.5	<1	-	1,300	<0.5	<0.5	<0.5	<1	-
04/17/95	768,276	507,549	267	<100	<0.5	<0.5	<0.5	<1	-	6,200	410	73	97	280	-
05/15/95	780,716	520,089	444	<100	<0.5	<0.5	<0.5	<1	-	1,300	0.6	<0.5	<0.5	<1	-
06/12/95	784,514	523,887	136	<100	<0.5	<0.5	<0.5	<1	-	<100	<0.5	<0.5	<0.5	<1	-
07/18/95	794,158	533,531	268	<100	<0.5	<0.5	<0.5	<1	-	1,100	<0.5	<0.5	<0.5	<1	-
08/14/95	795,216	534,589	39	<100	<0.5	<0.5	<0.5	<1	-	170	<0.5	<0.5	<0.5	<1	-
09/06/95	797,831	537,004	105	<100	<0.5	<0.5	<0.5	<1	-	1,320	<0.5	<0.5	<0.5	<1	-

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				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
10/17/95	800,316	539,689	65	<100	<0.5	<0.5	<0.5	<1	-	2,400	26	2.7	3.9	46	-
11/20/95	806,264	545,637	175	150	<0.3	<0.3	<0.3	<0.5	-	450	0.31	<0.3	<0.3	<0.5	-
12/11/95	809,236	548,609	142	300	<0.3	<0.3	<0.3	0.59	-	470	<0.3	<0.3	<0.3	<0.5	-
01/15/96	822,734	562,107	386	510	<0.3	<0.3	<0.3	<0.5	-	900	0.39	<0.3	<0.3	<0.5	-
02/19/96	848,213	587,586	728	800	<0.3	0.57	<0.3	0.83	-	1700	23	3.7	<0.3	80	-
03/19/96	849,587	588,960	47	930	<0.3	<0.3	<0.3	<0.5	-	1,600	5.5	1.4	<0.3	94	-
04/15/96	852,042	591,415	91	990	<0.3	<0.3	<0.3	<0.5	-	1,100	0.43	<0.3	<0.3	<0.5	-
05/13/96	890,214	629,587	1,363	840	<0.3	<0.3	<0.3	<0.5	-	910	<0.3	<0.3	<0.3	<0.5	-
05/13/96	890,214	629,587	-	System shut down for carbon change											
06/14/96	890,214	629,587	-	Restart the system											
06/18/96	890,818	630,191	151	<50	<0.3	<0.3	<0.3	<0.5	-	1,000	92	8.7	3.4	55	-
07/01/96	892,781	632,154	151	-	-	-	-	-	-	-	-	-	-	-	-
07/08/96	894,210	633,583	204	System shut down due to burglary and damaged air compressor											
08/05/96	894,210	633,583	-	Restart the system											
08/13/96	896,220	635,593	251	<50	<0.3	<0.3	<0.3	<0.5	-	3,500	160	110	220	650	-
09/23/96	899,410	638,783	78	<50	<0.3	<0.3	<0.3	<0.5	-	<50	0.49	<0.3	<0.3	<0.5	-
10/09/96	899,845	639,218	27	<50	<0.3	<0.3	<0.3	<0.5	-	730	1.7	0.42	2.1	2.5	-
11/11/96	901,348	640,721	46	<50	<0.3	<0.3	<0.3	<0.5	-	81	<0.3	<0.3	<0.3	<0.5	-
12/09/96	901,576	640,949	8	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
01/13/97	904,630	644,003	87	<50	<0.3	<0.3	<0.3	<0.5	-	13,000	590	250	180	850	-
02/10/97	912,610	651,983	285	82	<0.3	0.36	<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	941,026	680,401	308	<50	<0.3	<0.3	<0.3	<0.5	-	5,600	7.3	0.32	<0.3	17	-
06/23/97	943,183	682,556	51	-	-	-	-	-	-	-	-	-	-	-	-
07/07/97	945,821	685,194	188	<50	<0.3	<0.3	<0.3	<0.5	-	1,500	3.4	<0.3	<0.3	26	-
08/04/97	951,020	690,393	186	-	-	-	-	-	-	-	-	-	-	-	-
09/02/97	957,933	697,306	238	System shut down due to stolen air compressor											
10/06/97	961,030	700,403	91	-	-	-	-	-	-	-	-	-	-	-	-
10/16/97	961,077	700,450	5	<50	<0.3	<0.3	<0.3	<0.5	-	550	<0.3	<0.3	<0.3	<0.5	-
11/17/97	970,920	710,293	308	-	-	-	-	-	-	-	-	-	-	-	-
12/23/97	986,016	725,389	419	-	-	-	-	-	-	-	-	-	-	-	-
01/05/98	991,520	730,893	423	-	-	-	-	-	-	-	-	-	-	-	-
01/07/98	992,365	731,738	423	<50	<0.3	<0.3	<0.3	<0.5	-	65,000	690	8,400	3,100	20,000	-
02/02/98	996,874	736,247	173	-	-	-	-	-	-	-	-	-	-	-	-
02/09/98		736,247	-	System shut down due to the UST replacement and station remodeling											
02/17/98		736,247	-	<50	<0.3	<0.3	<0.3	<0.5	-	35,000	150	<15	<15	8,900	-
04/13/98	53,000	736,247	-	Replaced carbons and restarted system with new meter (53,000)											
4/13 - 6/1/98		736,247	-	System was undergoing several maintenance / piping / hose replacement											
06/01/98	53,780	737,027	16	-	-	-	-	-	-	-	-	-	-	-	-
07/14/98	56,905	740,152	73	<50	<0.3	<0.3	<0.3	<0.5	-	3,500	14	0.56	<0.3	26	-
08/13/98	59,426	742,673	84	-	-	-	-	-	-	-	-	-	-	-	-
09/11/98	62,356	745,603	101	-	-	-	-	-	-	-	-	-	-	-	-
10/15/98	62,714	745,961	11	<50	<0.3	<0.3	<0.3	<0.5	-	2,200	21	4	<0.3	100	-

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				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
11/06/98	62,952	746,199	11	-	-	-	-	-	-	-	-	-	-	-	-
11/20/98	-	746,199	-	System shut down for flowmeter replacement											
12/01/98	0.0	746,199	-	Restart the system with flowmeter at 000											
12/31/98	5,340.0	751,539	178	-	-	-	-	-	-	-	-	-	-	-	-
01/11/99	15,020.0	761,219	880	System shut down											
1/11 - 2/1/99	-	761,219	-	System was undergoing maintenance for the compressor											
01/20/99	-	761,219	-	<50	<0.3	<0.3	<0.3	<0.5	-	110	0.43	0.42	<0.3	<0.5	260
02/01/99	15,600.0	761,799	28	Restart system											
02/12/99	22,840.0	769,039	658	-	-	-	-	-	-	-	-	-	-	-	-
02/22/99	22,840.0	769,039	-	System shut down for carbon canister replacement											
03/26/99	22,840.0	769,039	-	Restart the system											
03/31/99	24,620.0	770,819	356	-	-	-	-	-	-	-	-	-	-	-	-
04/16/99	29,605.0	775,804	312	<50	<0.3	<0.3	<0.3	<0.5	<5	<50	<0.3	<0.3	<0.3	<0.5	<5
05/11/99	36,010.0	782,209	256	-	-	-	-	-	-	-	-	-	-	-	-
05/25/99	46,000.0	792,199	714	System shut down due to carbon canister leaking											
09/02/99	46,000.0	792,199	-	Restart system											
09/17/99	46,217.0	792,416	14	-	-	-	-	-	-	-	-	-	-	-	-
10/07/99	46,809.0	793,008	30	<50	<0.3	<0.3	<0.3	<0.5	11	65	<0.3	<0.3	<0.3	<0.5	120
10/21/99	47,278.0	793,477	34	System shut down for carbon change											
11/24/99	47,283.0	793,482	0	Restart system											
12/30/99	49,386.0	795,585	58	-	-	-	-	-	-	-	-	-	-	-	-
01/26/00	50,569.0	796,768	44	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.3	<0.5	-
02/25/00	51,983.0	798,182	47	-	-	-	-	-	-	-	-	-	-	-	-
03/24/00	54,603.0	800,802	94	-	-	-	-	-	-	-	-	-	-	-	-
04/19/00	56,754.0	802,953	83	<5	<0.25	<0.25	<0.25	<0.5	-	<50	1.3	<0.25	<0.25	<0.5	<5
04/30/00	58,022.0	804,221	115	-	-	-	-	-	-	-	-	-	-	-	-
05/26/00	60,086.0	806,285	79	-	-	-	-	-	-	923	<0.6	2	85	80	*8,350/4,810
06/16/00	61,889.0	808,088	86	<50	<0.3	<0.3	<0.3	<0.6	<5	3,820	<0.3	<0.3	<0.3	<0.6	3,740
07/26/00	65,987.0	812,186	102	<50	<0.3	<0.3	<0.3	<0.6	<5	<50	<0.3	<0.3	<0.3	<0.6	<5
08/25/00	68,630.0	814,829	88	-	-	-	-	-	-	-	-	-	-	-	-
09/29/00	85,661.0	831,860	487	-	-	-	-	-	-	-	-	-	-	-	-
10/13/00	96,212.0	842,411	754	-	-	-	-	-	-	-	-	-	-	-	-
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). System restarted on 10/25/00 after QWS											
10/25/00	0.0	845,899	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	17,100	111	121	141	972	998
10/27/00	2,160	848,059	1,080	-	-	-	-	-	-	-	-	-	-	-	-
11/03/00	7,420	853,319	751	-	-	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560	862,459	435	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530	897,429	1,249	-	-	-	-	-	-	-	-	-	-	-	-
01/10/01	54,520	900,419	157	<50	<0.18	<0.14	<0.18	<0.26	<0.24	10,000	384	223	<0.18	1,330	11,600
02/19/01	99,640	945,539	1,128	-	-	-	-	-	-	-	-	-	-	-	-
03/19/01	144,170	990,069	1,590	-	-	-	-	-	-	-	-	-	-	-	-
04/09/01	167,050	1,012,949	1,090	378	<0.18	<0.14	<0.18	<0.26	475	4,040	191	4	42	38	4,990
04/13/01	169,210	1,015,109	540	Shut down system for replacement of carbon drums											
04/18/01	169,210	1,015,109	-	Restart system											

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
04/23/01	177,140	1,023,039	1,586	93	<0.18	<0.14	<0.18	<0.26	132	1,400	<0.18	<0.14	<0.18	<0.26	3,240
05/02/01	186,800	1,032,699	1,073	Shut down system for carbon change											
05/18/01	186,900	1,032,799	6	Restart system											
05/30/01	200,850	1,046,749	1,163	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3,100	15	<0.14	1	2	*8,510 / 5,780
06/25/01	266,720	1,112,619	2,533	-	-	-	-	-	-	-	-	-	-	-	-
07/09/01	278,760	1,124,659	850	<50	<0.18	<0.14	<0.18	<0.26	<0.24	748	15	<0.14	2	2.7	1,440
08/13/01	399,700	1,245,599	3,455	-	-	-	-	-	-	-	-	-	-	-	-
09/24/01	451,240	1,297,139	1,227	-	-	-	-	-	-	-	-	-	-	-	-
10/01/01	488,310	1,334,209	5,296	<50	<0.18	<0.14	<0.18	<0.26	<0.24	956	12	<0.14	<0.18	<0.26	878
11/12/01	636,260	1,482,159	3,523	-	-	-	-	-	-	-	-	-	-	-	-
12/31/01	674,080	1,519,979	772	-	-	-	-	-	-	-	-	-	-	-	-
01/14/02	688,450	1,534,349	1,026	<50	<0.18	<0.14	<0.18	<0.26	<0.24	232	1	1	<0.18	<0.26	363
02/18/02	738,420	1,584,319	1,428	-	-	-	-	-	-	-	-	-	-	-	-
03/25/02	814,570	1,660,469	2,176	-	-	-	-	-	-	-	-	-	-	-	-
04/08/02	828,510	1,674,409	996	<50	<0.18	<0.14	<0.18	<0.26	<0.24	105	<0.18	<0.14	<0.18	<0.26	157
04/22/02	895,910	1,741,809	4,814	-	-	-	-	-	-	-	-	-	-	-	-
05/06/02	895,920	1,741,819	1	System off; Restart											
05/13/02	929,130	1,775,029	4,744	-	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	1,839,639	-	-	<0.5	<0.7	<0.8	<3.3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
06/03/02	993,740	1,839,639	3,077	<50	<0.18	<0.14	<0.18	<0.26	<0.24	Split-sample results (sample collected by us)					
06/24/02	1,001,580	1,847,489	374	-	-	-	-	-	-	-	-	-	-	-	-
07/08/02	-	1,847,489	-	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4,710	1	1.2	<0.18	2	6,980
07/12/02	1,051,430	1,897,329	2,769	-	-	-	-	-	-	-	-	-	-	-	-
07/29/02	1,052,820	1,898,719	82	System shut down for carbon change											
08/16/02	1,052,820	1,898,719	-	Restart											
08/30/02	1,069,050	1,914,949	1,159	-	-	-	-	-	-	-	-	-	-	-	-
09/20/02	-	1,952,309	-	-	<0.5	<0.7	<0.8	<3.3	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
09/20/02	1,106,410	1,952,309	1,779	<50	<0.1	<0.15	<0.06	-	-	Split-sample results (sample collected by us, analysis by EPA 624 & 8015M)					
09/30/02	1,110,180	1,958,079	377	-	-	-	-	-	-	-	-	-	-	-	-
10/07/02	1,114,720	1,960,619	649	<50	<0.18	<0.14	<0.18	<0.26	<0.24	128	<0.18	<0.14	<0.18	<0.26	95
10/28/02	1,127,540	1,973,439	610	-	-	-	-	-	-	-	-	-	-	-	-
11/25/02	1,149,730	1,995,629	793	-	-	-	-	-	-	-	-	-	-	-	-
12/20/02	1,166,840	2,012,739	684	-	-	-	-	-	-	-	-	-	-	-	-
12/30/02	1,173,420	2,019,319	658	-	-	-	-	-	-	-	-	-	-	-	-
01/06/03	1,182,610	2,028,509	1,313	<50	<0.14	1.2	<0.08	2.4	<2.0	9,860	<1.4	29	14	2,420	205
01/13/03	1,189,320	2,035,219	959	Shut down for QWS											
01/15/03	1,189,320	2,035,219	-	Restart											
02/24/03	1,223,450	2,069,349	853	-	-	-	-	-	-	-	-	-	-	-	-
03/10/03	1,238,640	2,084,539	1,085	-	-	-	-	-	-	-	-	-	-	-	-
03/17/03	1,257,710	2,103,609	2,724	System off											
03/28/03	1,257,710	2,103,609	-	Restart											
03/31/03	1,266,150	2,112,049	2,813	-	-	-	-	-	-	-	-	-	-	-	-
04/02/03	1,272,100	2,117,999	2,975	-	-	-	-	-	-	-	-	-	-	-	-
04/07/03	1,286,160	2,132,059	2,812	<15	<0.04	2.2	<0.02	<0.06	<0.03	14,000	20	20	2.2	14	9,090

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
04/14/03	1,294,060	2,139,959	1,129	System shut down for QWS											
04/16/03	1,294,080	2,139,979	10	Restart											
04/21/03	1,299,660	2,145,559	1,116	-	-	-	-	-	-	-	-	-	-	-	-
04/29/03	1,302,140	2,148,039	354	-	-	-	-	-	-	-	-	-	-	-	-
05/05/03	1,302,710	2,148,609	81	System shut down for carbon change											
05/07/03	1,302,710	2,148,609	-	Restart											
05/12/03	1,303,230	2,149,129	104	-	-	-	-	-	-	-	-	-	-	-	-
05/19/03	1,318,460	2,164,359	2,176	-	-	-	-	-	-	-	-	-	-	-	-
05/30/03	1,321,830	2,167,729	306	-	-	-	-	-	-	-	-	-	-	-	-
06/02/03	1,327,490	2,173,389	1,887	-	-	-	-	-	-	-	-	-	-	-	-
06/09/03	1,336,370	2,182,269	1,269	-	-	-	-	-	-	-	-	-	-	-	-
06/16/03	1,347,480	2,193,379	1,587	-	-	-	-	-	-	-	-	-	-	-	-
06/23/03	1,359,690	2,205,589	1,744	-	-	-	-	-	-	-	-	-	-	-	-
07/01/03	1,366,090	2,211,989	800	-	-	-	-	-	-	-	-	-	-	-	-
07/07/03	1,369,730	2,215,629	607	System shut down for QWS											
07/15/03	1,369,730	2,215,629	-	Restart											
07/21/03	1,382,630	2,228,529	2,150	<15	<0.04	1.0	<0.02	<0.06	<0.03	7,710	<0.04	<0.02	<0.02	<0.06	3,550
07/28/03	1,389,840	2,235,739	1,030	-	-	-	-	-	-	-	-	-	-	-	-
08/04/03	1,408,710	2,254,609	2,696	-	-	-	-	-	-	-	-	-	-	-	-
08/15/03	1,411,520	2,257,419	255	System shut down for carbon change											
08/29/03	1,411,560	2,257,459	3	Restart											
09/03/03	1,419,210	2,265,109	1,530	-	-	-	-	-	-	-	-	-	-	-	-
09/12/03	1,423,520	2,269,419	479	-	-	-	-	-	-	-	-	-	-	-	-
09/15/03	1,427,810	2,273,709	1,430	-	-	-	-	-	-	-	-	-	-	-	-
09/22/03	1,429,700	2,275,599	270	System shut down for installation of new 24-hour timer											
09/26/03	1,429,700	2,275,599	-	Restart											
09/29/03	1,430,560	2,276,459	287	-	-	-	-	-	-	-	-	-	-	-	-
10/06/03	1,431,140	2,277,039	83	System shut down for QWS											
10/08/03	1,431,140	2,277,039	-	Restart											
10/10/03	-	2,278,189	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/10/03	1,432,290	2,278,189	575	<15	<0.04	<0.02	<0.02	<0.06	<0.03	16,200	<0.04	4.4	4.8	46	8,700
10/17/03	1,433,790	2,279,689	214	-	-	-	-	-	-	-	-	-	-	-	-
10/22/03	-	2,280,489	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
10/22/03	1,434,590	2,280,489	160	<15	<0.04	<0.02	<0.02	<0.06	<0.03	Split-sample results (sample collected by us)					
10/27/03	1,435,610	2,281,509	204	-	-	-	-	-	-	-	-	-	-	-	-
11/03/03	1,438,740	2,284,639	447	-	-	-	-	-	-	-	-	-	-	-	-
11/14/03	1,443,620	2,289,519	444	-	-	-	-	-	-	-	-	-	-	-	-
11/21/03	1,447,510	2,293,409	556	-	-	-	-	-	-	-	-	-	-	-	-
12/05/03	1,452,410	2,298,309	350	-	-	-	-	-	-	-	-	-	-	-	-
12/09/03	1,458,320	2,304,219	1,478	-	-	-	-	-	-	-	-	-	-	-	-
12/17/03	1,462,410	2,308,309	511	-	-	-	-	-	-	-	-	-	-	-	-
12/23/03	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

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
01/14/04	1,474,650	2,320,549	331	System shut down for QWS: Restarted 1/15/04						-	-	-	-	-	-
01/28/04	-	2,331,689	-	-	< 0.50	< 0.70	< 0.80	< 3.30	-	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)					
01/28/04	1,485,790	2,331,689	857	<15	<0.04	<0.02	<0.02	<0.06	<0.03	Split-sample results (sample collected by us)					
02/04/04	1,492,340	2,338,239	936	-	-	-	-	-	-	-	-	-	-	-	
02/10/04	1,494,550	2,340,449	368	-	-	-	-	-	-	-	-	-	-	-	
02/20/04	1,498,790	2,344,689	424	-	-	-	-	-	-	-	-	-	-	-	
02/25/04	1,499,360	2,345,259	114	-	-	-	-	-	-	-	-	-	-	-	
03/03/04	1,514,700	2,360,599	2,191	-	-	-	-	-	-	-	-	-	-	-	
03/09/04	1,517,300	2,363,199	433	-	-	-	-	-	-	-	-	-	-	-	
03/17/04	1,519,100	2,364,999	225	-	-	-	-	-	-	-	-	-	-	-	
03/24/04	1,524,600	2,370,499	786	-	-	-	-	-	-	-	-	-	-	-	
04/01/04	1,529,300	2,375,199	588	-	-	-	-	-	-	-	-	-	-	-	
04/07/04	1,531,200	2,377,099	317	<15	<0.22	<0.32	<0.31	<0.4	<0.18	1,380	113	93	16	76	191
04/14/04	1,533,000	2,378,899	257	System shut down for QWS on 4/7; Restarted 4/14						-	-	-	-	-	
04/22/04	1,576,400	2,422,299	5,425	-	-	-	-	-	-	-	-	-	-	-	
04/28/04	1,623,500	2,469,399	7,850	-	-	-	-	-	-	-	-	-	-	-	
05/06/04	1,666,920	2,514,819	5,678	-	-	-	-	-	-	-	-	-	-	-	
05/13/04	1,691,100	2,536,999	3,169	-	-	-	-	-	-	-	-	-	-	-	
05/20/04	1,726,500	2,572,399	5,057	-	-	-	-	-	-	-	-	-	-	-	
05/28/04	1,748,910	2,594,809	2,801	-	-	-	-	-	-	-	-	-	-	-	
06/04/04	1,749,320	2,595,219	59	Found system off; for replacement of on and off switch						-	-	-	-	-	
06/11/04	1,749,320	2,595,219	-	Restarted						-	-	-	-	-	
06/16/04	1,751,910	2,597,809	518	-	-	-	-	-	-	-	-	-	-	-	
06/22/04	1,753,550	2,599,449	273	-	-	-	-	-	-	-	-	-	-	-	
07/02/04	1,756,530	2,602,429	298	-	-	-	-	-	-	-	-	-	-	-	
07/08/04	1,759,110	2,605,009	430	<15	<0.22	<0.32	<0.31	<0.4	<0.18	652	31	<0.32	<0.31	2.1J	383
07/15/04	1,759,260	2,605,159	21	-	-	-	-	-	-	-	-	-	-	-	
07/22/04	1,760,630	2,606,529	196	-	-	-	-	-	-	-	-	-	-	-	
07/28/04	1,762,810	2,608,709	363	Shut down system for carbon change						-	-	-	-	-	
08/05/04	1,762,810	2,608,709	-	Restarted						-	-	-	-	-	
08/12/04	1,765,370	2,611,269	366	-	-	-	-	-	-	-	-	-	-	-	
08/20/04	1,767,950	2,613,849	323	-	-	-	-	-	-	-	-	-	-	-	
08/27/04	1,771,100	2,616,999	450	-	-	-	-	-	-	-	-	-	-	-	
09/03/04	1,773,750	2,619,649	379	-	-	-	-	-	-	-	-	-	-	-	
09/07/04	1,777,590	2,623,489	960	-	-	-	-	-	-	-	-	-	-	-	
09/10/04	1,778,460	2,624,359	290	Shut down system due to operator vacation						-	-	-	-	-	
09/29/04	1,778,460	2,624,359	-	Restarted						-	-	-	-	-	
10/06/04	1,779,260	2,625,159	114	<15	<0.22	<0.32	<0.31	<0.4	<0.18	<15	<0.22	<0.32	<0.31	<0.4	20
10/12/04	1,782,540	2,628,439	547	Shut down system for QWS						-	-	-	-	-	
10/21/04	1,782,680	2,628,579	16	Restarted						-	-	-	-	-	
10/27/04	1,784,630	2,630,529	325	-	-	-	-	-	-	-	-	-	-	-	
11/03/04	1,784,680	2,630,579	7	System was shut down by mistake, run only for few hours						-	-	-	-	-	
11/11/04	1,787,490	2,633,389	351	-	-	-	-	-	-	-	-	-	-	-	
11/19/04	1,789,350	2,635,249	233	-	-	-	-	-	-	-	-	-	-	-	

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

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	EFFLUENT (ug/L)						INFLUENT (ug/L)					
				TPH-g	B	T	E	X	MTBE	TPH-g	B	T	E	X	MTBE
12/01/04	1,789,800	2,635,699	38	-	-	-	-	-	-	-	-	-	-	-	-
12/10/04	1,792,780	2,638,679	331	-	-	-	-	-	-	-	-	-	-	-	-
12/15/04	1,795,460	2,641,359	536	-	-	-	-	-	-	-	-	-	-	-	-
12/22/04	1,798,000	2,643,899	363	-	-	-	-	-	-	-	-	-	-	-	-
12/29/04	1,800,580	2,646,479	369	-	-	-	-	-	-	-	-	-	-	-	-
01/05/05	1,803,140	2,649,039	366	<15	<0.22	<0.32	<0.31	<0.4	<0.18	291	9.1	<0.32	1.2 J	<0.4	72
01/13/05	1,803,290	2,649,189	19	Shut down system for QWS, 1/5/05, Restarted, 1/13/05											
01/20/05	1,804,020	2,649,919	104	Shut down system for repair											

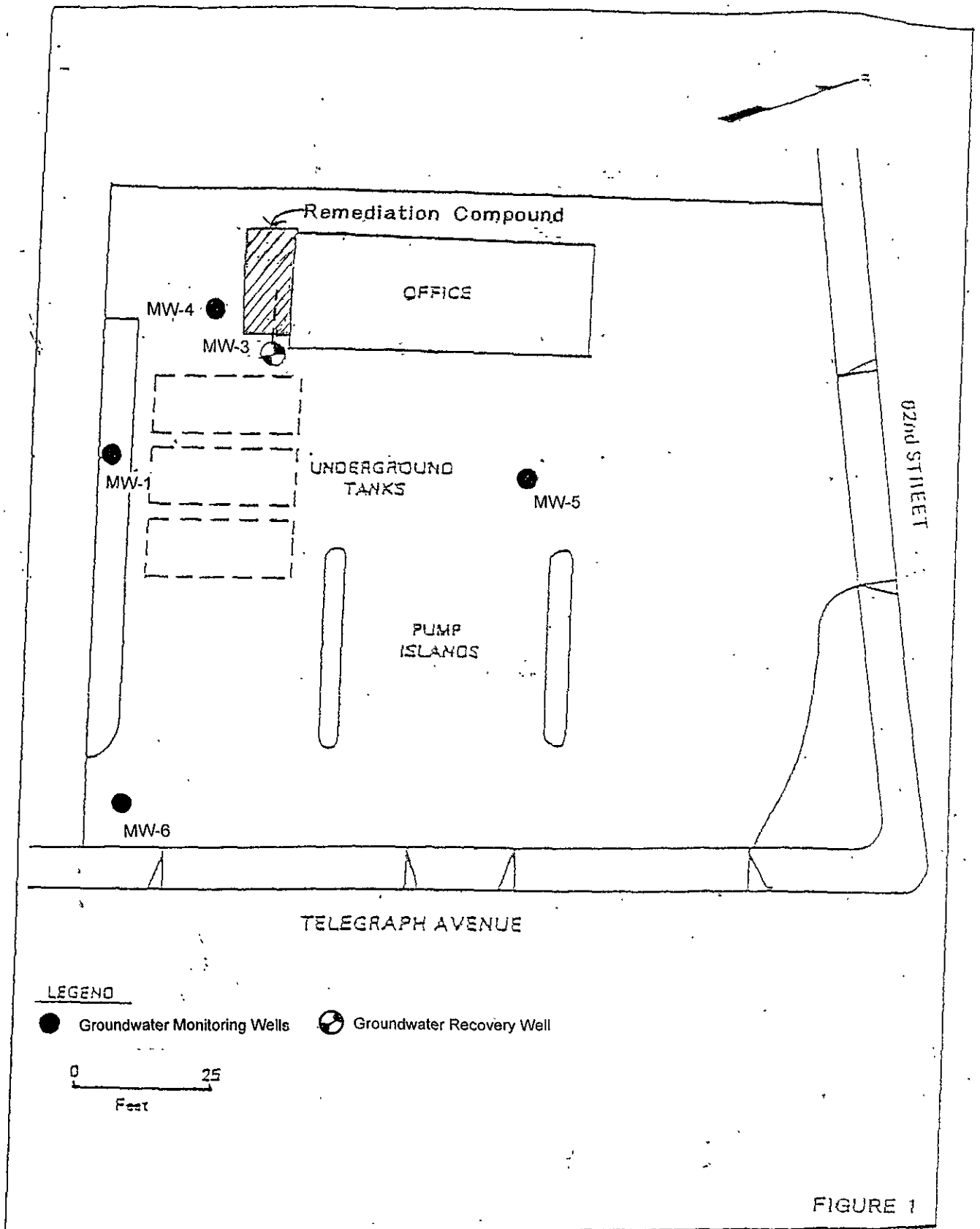
WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0	NE
--------------------------	----	-----	-----	-----	-----	----

Note: < = less than laboratory detection level indicated
 - = no sample / not analyzed
 NE = Permit Limit not established

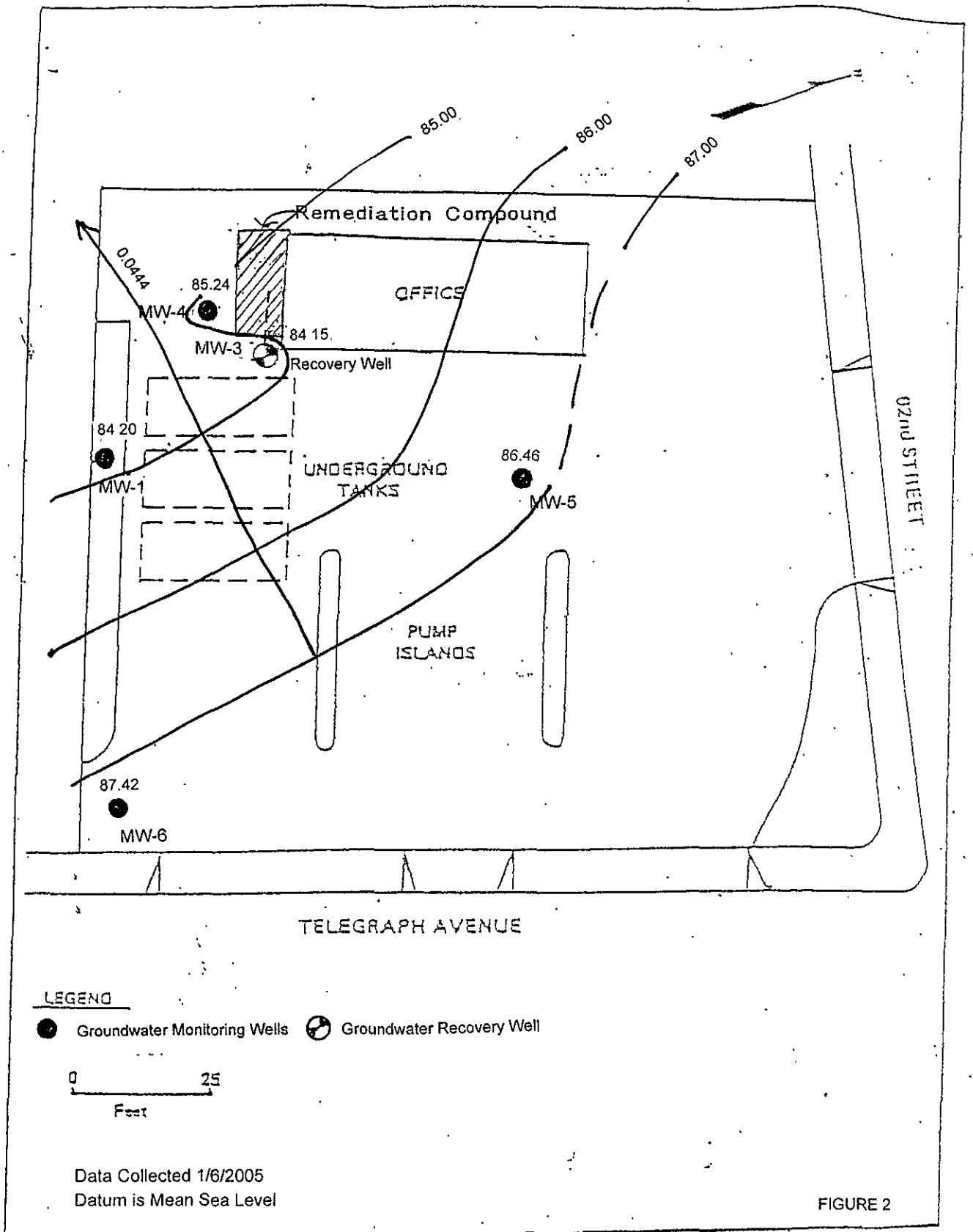
TPH is analyzed by EPA Method 8015 M
 BTEX is analyzed by EPA Method 602 or 8020/8021
 *MTBE 8020/8260

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.

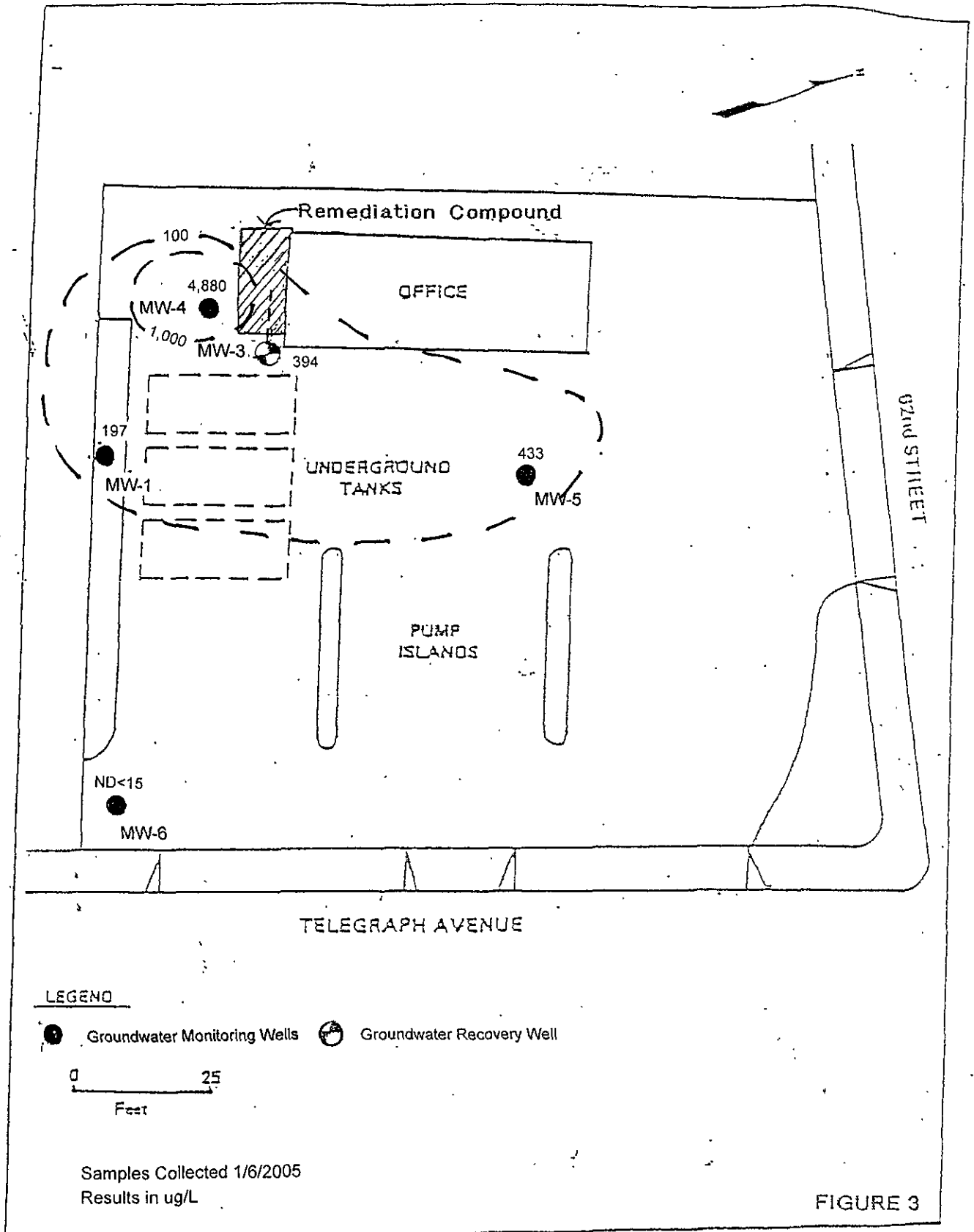
FIGURES



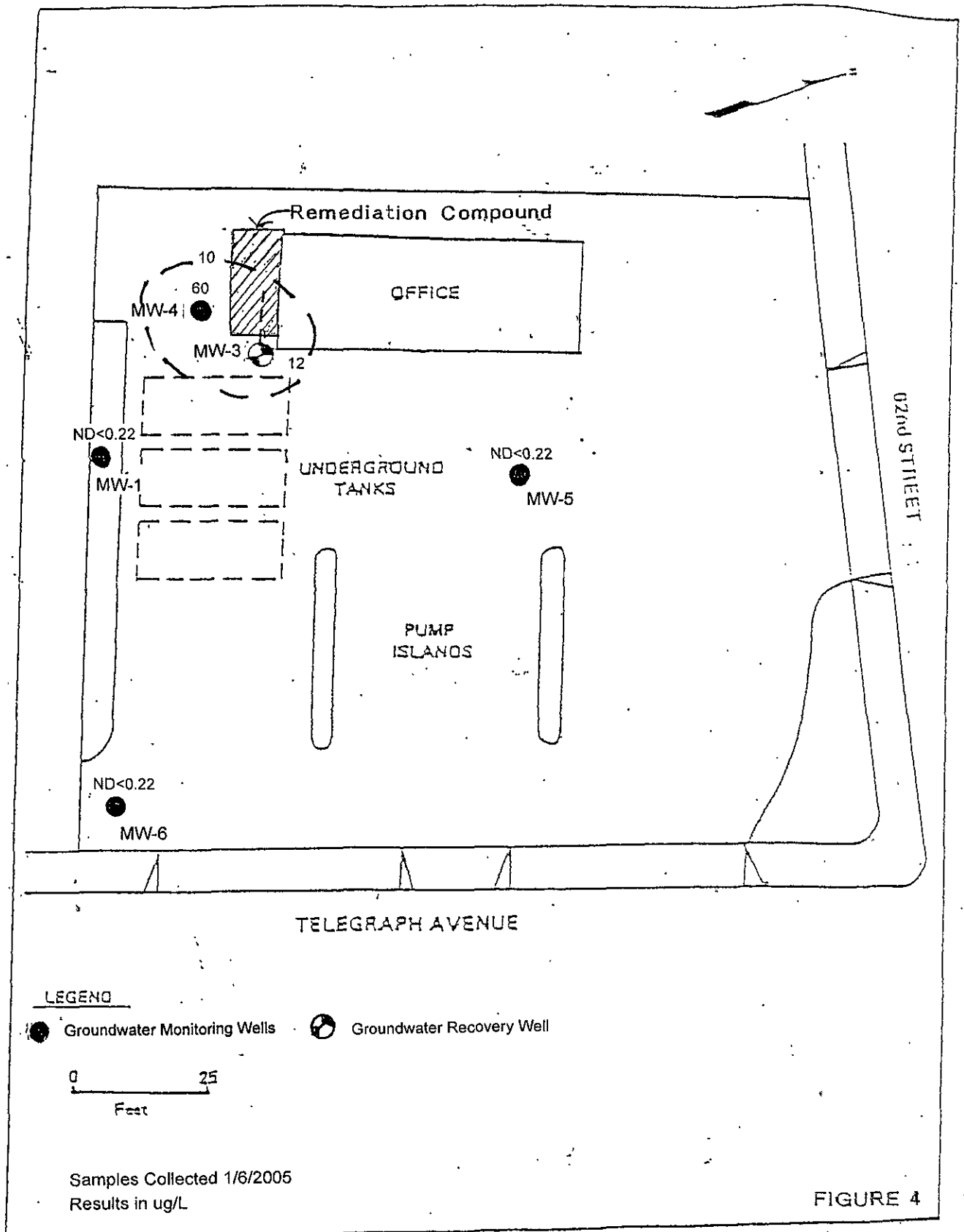
SITE PLAN AND RECOVERY SYSTEM
 THRIFTY SERVICE STATION NO. 53
 6125 TELEGRAPH AVE.
 OAKLAND, CA



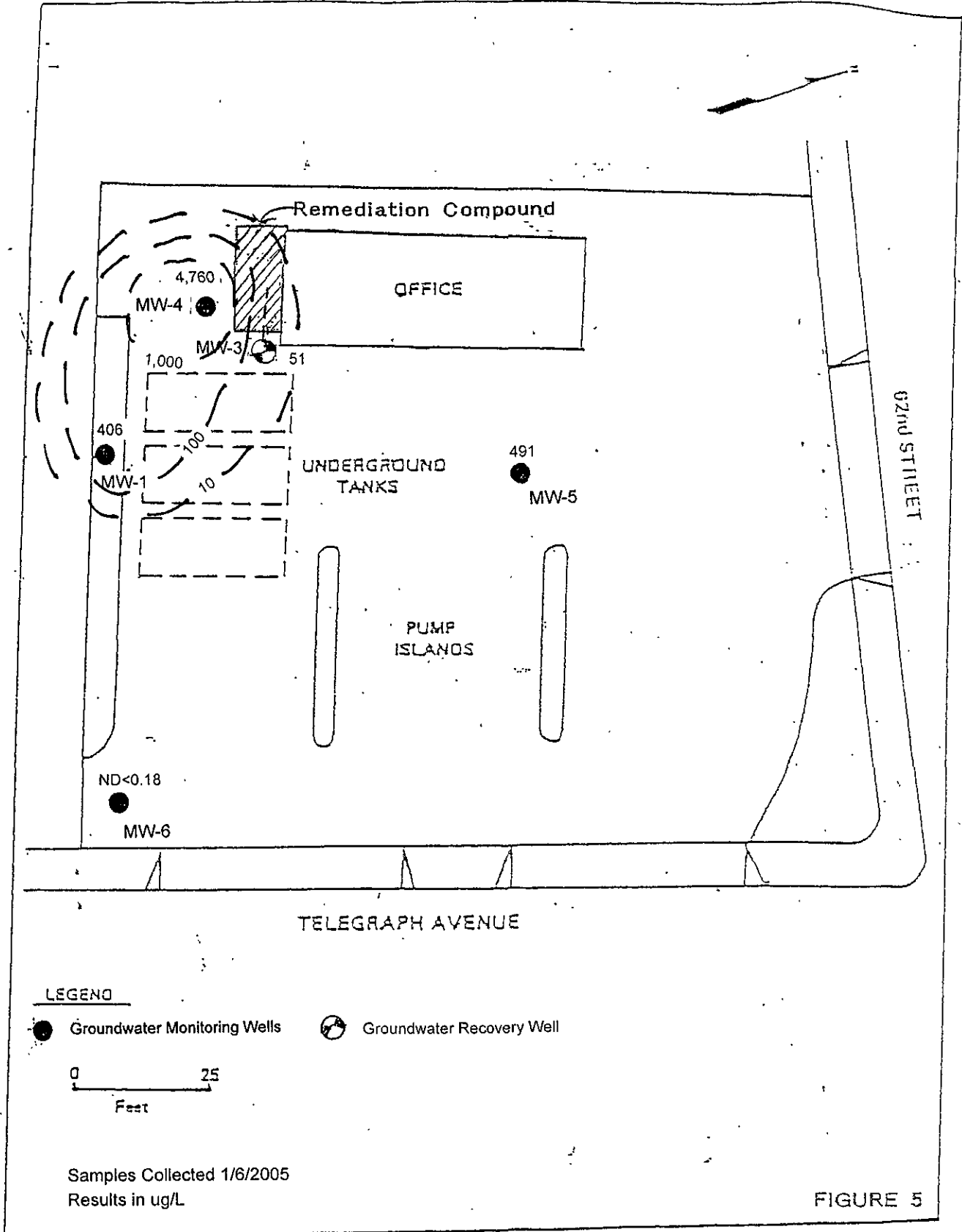
GROUNDWATER CONTOUR MAP
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



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



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



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

APPENDIX A

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Well No:	R 063	Date:	01-06-05
Address:			
Personnel:	SERBAN,	Weather:	RAIN,
Well No:	MW-1	Equip:	BATUER

Before Purging:			
Total Well Depth: (ft.)	28.94	Well Diameter	24
Depth to Water (ft)	15.14	Est. Purge Volume:	9

Sampling Data:							
Initial Turbidity:					Final Turbidity:		
Time	10:10	10:13	10:15	10:17	10:20		
C	1430	1410	1390	1370	1380		
H	6.03	5.91	5.86	5.83	5.91		
Temp	72.3	72.1	71.9	71.7	71.8		
Sal.	1	3	5	7	9		
Time							
C							
H							
Temp							
Sal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	16.21
Total Well Depth (ft.)	28.94

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: #063	Date: 01-06-05
Address:	
Personnel: SFRBAH	Weather: RAIN,
Well No: MW-3	Equip: BAUER

Before Purging:			
Total Well Depth: (ft.)	28.20	Well Diameter	6"
Depth to Water (ft)	15.61	Est. Purge Volume:	74

Sampling Data:								
Initial Turbidity:	Final Turbidity:							
Time	8:56	9:12	9:28	9:43	10:00			
C	1380	1360	1310	1370	1380			
H	5.81	6.03	6.01	5.13	5.91			
Temp	71.4	71.3	71.2	71.3	71.1			
pH	14	29	44	59	74			
Time								
C								
H								
Temp								
pH								

After Purging/Before Sample Collection			
Depth to Water (ft.)	17.32	Total Well Depth(ft.)	28.20

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u>H 063</u>	Date: <u>01-06-05</u>
Address:	
Personnel: <u>SERBAY</u>	Weather: <u>RAIN</u>
Well No: <u>MW-4</u>	Equip: <u>BAILER</u>

Before Purging:			
Total Well Depth: (ft.)	<u>29.04</u>	Well Diameter	<u>24</u>
Depth to Water (ft)	<u>15.24</u>	Est. Purge Volume:	<u>9</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>12:08</u>	<u>12:11</u>	<u>12:14</u>	<u>12:17</u>	<u>12:20</u>		
EC	<u>1370</u>	<u>1380</u>	<u>1410</u>	<u>1430</u>	<u>1420</u>		
pH	<u>5.73</u>	<u>5.86</u>	<u>6.03</u>	<u>6.09</u>	<u>6.06</u>		
Temp	<u>71.9</u>	<u>72.3</u>	<u>72.1</u>	<u>71.8</u>	<u>71.7</u>		
Gal.	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>		
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft)	<u>17.32</u>
Total Well Depth (ft)	<u>29.04</u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: #063	Date: 01-06-05
Address:	
Personnel: SERBAN	Weather: RAIN
Well No: MW-5	Equip: BAIFER

Before Purging:			
Total Well Depth: (ft.)	26.23	Well Diameter	4 ⁴
Depth to Water (ft)	15.52	Est. Purge Volume:	28

Sampling Data:								
Initial Turbidity:	Final Turbidity:							
Time	10:43	10:50	10:56	11:03	11:10			
C	1100	1130	1110	1120	1120			
H	6.04	6.07	5.96	5.93	5.93			
Temp	72.3	72.1	72.2	71.9	71.7			
Sal.	5	11	16	22	28			
Time								
C								
H								
Temp								
Sal.								

After Purging/Before Sample Collection	
Depth to Water (ft.)	16.44
Total Well Depth(ft.)	26.23

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	01-06-05
Address:			
Personnel:	SERRAVALLO	Weather:	RAIN
Well No:	MW-6	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	26.80	Well Diameter	
Depth to Water (ft)	13.02	Est. Purge Volume:	

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	11:23	11:32	11:42	11:51	12:00		
C	1360	1280	1260	1280	1260		
H	5.46	6.04	5.93	5.86	5.83		
Temp	72.3	72.1	72.3	72.1	72.1		
Sal.	7	14	21	28	36		
Time							
C							
H							
Temp							
Sal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	14.11
Total Well Depth (ft.)	26.80

APPENDIX B



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 143296

REPORTED 01/18/2005

RECEIVED 01/10/2005

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.


586742
586743
586744
586745
586746
586747
586748

Client Sample Identification

TOC #063 MW-3
TOC #063 MW-1
TOC #063 MW-5
TOC #063 MW-6
TOC #063 MW-4
Trip Blank
Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,


Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 586742

Client Sample ID: TOC #063 MW-3

Matrix: WATER

Date Sampled: 01/06/2005 Time Sampled: 12:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	12	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	1.5	J 1	5	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	51	1	1	0.18	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	101			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	106			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	108			%	70 - 130

8015M - Gasoline

Gasoline	394	1	50	15	ug/L	01/16/05 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	115			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586743

Client Sample ID: TOC #063 MW-1

Matrix: WATER

Date Sampled: 01/06/2005 Time Sampled: 12:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8260B BTEX/MTBE Only							
Benzene	ND	1	1	0.22	ug/L	01/13/05 LB	
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB	
Methyl-tert-butylether (MTBE)	406	1	1	0.18	ug/L	01/13/05 LB	
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB	
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB	
Surrogates						Units	Control Limits
Surr1 - Dibromofluoromethane	99				%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 130	
Surr3 - Toluene-d8	101				%	70 - 130	
Surr4 - p-Bromofluorobenzene	101				%	70 - 130	
8015M - Gasoline							
Gasoline	197	1	50	15	ug/L	01/16/05 LZ	
Surrogates						Units	Control Limits
a,a,a-Trifluorotoluene	78				%	55 - 200	

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



Order #: 586744

Client Sample ID: TOC #063 MW-5

Matrix: WATER

Date Sampled: 01/06/2005 Time Sampled: 13:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	491	1	1	0.18	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	102				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	105				%	70 - 130
Surr3 - Toluene-d8	105				%	70 - 130
Surr4 - p-Bromofluorobenzene	105				%	70 - 130
8015M - Gasoline						
Gasoline	433	1	50	15	ug/L	01/16/05 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	85				%	55 - 200

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



Order #: 586745

Client Sample ID: TOC #063 MW-6

Matrix: WATER

Date Sampled: 01/06/2005 Time Sampled: 14:10

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

Benzene	ND	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	102			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	107			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	103			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15	ug/L	01/15/05 WL
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	72			%	55 - 200

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



Order #: 586746

Client Sample ID: TOC #063 MW-4

Matrix: WATER

Date Sampled: 01/06/2005 Time Sampled: 14:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	60	10	10.0	0.22	ug/L	01/13/05 LB
Ethyl benzene	74	10	50.0	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	4760	10	10.0	0.18	ug/L	01/13/05 LB
Toluene	ND	10	50.0	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	10	50.0	0.4	ug/L	01/13/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	103			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 130
Surr3 - Toluene-d8	104			%	70 - 130
Surr4 - p-Bromofluorobenzene	103			%	70 - 130

8015M - Gasoline

Gasoline	4880	1	50	15	ug/L	01/15/05 WL
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	190			%	55 - 200

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



Order #: 586747

Client Sample ID. Trip Blank

Matrix: WATER

Date Sampled: 01/06/2005

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	104				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	01/15/05 WL
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	75				%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586748

Client Sample ID: Laboratory Method Blank

Matrix: WATER

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

Benzene	ND	1	1	0.22	ug/L	01/12/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/12/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	01/12/05 LB
Toluene	ND	1	5	0.32	ug/L	01/12/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/12/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	99			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	104			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15	ug/L	01/15/05 WL
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	85			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES
QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 143295-737
 Analysis Date: January 13, 2005 12:16 AM
 Applies to: LR 143295, 143296

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	60.88	60.69	122	121	0	22	59-172
MTBE	ND	50	48.07	49.30	96	99	3	24	62-137
Benzene	ND	50	50.73	50.89	101	102	0	24	62-137
Trichloroethene	ND	50	55.58	55.60	111	111	0	21	66-142
Toluene	ND	50	54.75	56.13	110	112	2	21	59-139
Chlorobenzene	ND	50	51.17	52.91	102	106	3	21	60-133

QC Sample: LCS/LCSD 9:58 PM
 Analysis Date: January 12, 2005

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk Dup.	%Rec LCS	%Rec LCS D	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	53.02	53.04	106	106	0	22	59-172
MTBE	ND	50	48.62	51.25	97	103	5	24	62-137
Benzene	ND	50	48.75	49.77	98	100	2	24	62-137
Trichloroethene	ND	50	45.75	48.16	92	96	5	21	66-142
Toluene	ND	50	50.29	50.24	101	100	0	21	59-139
Chlorobenzene	ND	50	49.74	49.57	99	99	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	99	101	92	91	99	99
1,2-DCA	104	103	92	91	96	98
Tol-d8	102	104	103	104	98	100
p-BFB	104	105	107	103	101	108

ASSOCIATED LABORATORIES
QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 143439-406

Analysis Date: January 13, 2005 10:03 PM

Applies to: LR 143295, 143296, 143276, 143439

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	49.50	48.49	99	97	2	22	59-172
MTBE	ND	50	47.62	46.18	95	92	3	24	62-137
Benzene	ND	50	50.08	49.11	100	98	2	24	62-137
Trichloroethene	ND	50	46.41	47.46	93	95	2	21	66-142
Toluene	ND	50	51.14	51.75	102	104	1	21	59-139
Chlorobenzene	ND	50	50.70	49.05	101	98	3	21	60-133

QC Sample: LCS/LCSD 4:37 PM

Analysis Date: January 13, 2005

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk Dup.	%Rec LCS	%Rec LCS D	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	35.32	42.52	71	85	18	22	59-172
MTBE	ND	50	50.67	47.29	101	95	7	24	62-137
Benzene	ND	50	49.64	49.05	99	98	1	24	62-137
Trichloroethene	ND	50	46.93	47.00	94	94	0	21	66-142
Toluene	ND	50	51.03	50.33	102	101	1	21	59-139
Chlorobenzene	ND	50	50.60	49.76	101	100	2	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	101	102	99	95	101	97
1,2-DCA	105	106	93	95	95	96
Tol-d8	105	101	102	104	101	101
p-BFB	105	112	105	101	105	106

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: January 14, 2005
 Analysis Date: January 14, 2005
 ID#'s in Batch: LR 143439, 143296, 143438

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	491	499	98	100	2

ND = Not Detected

LCS Result = Lab Control Sample Result

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

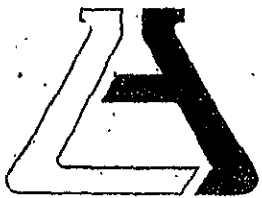
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

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

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	85
LCS	124
LCSD	129

AAA-TFT = a,a,a-Trifluorotoluene



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: T.O.C. Project: _____

Date Cooler Received: 1/10/05 Date Cooler Opened: 1/10/05

Was cooler scanned for presence of radioactivity? Yes No
If yes was radioactivity results above 25 cpm? Yes No

Was a shipper's packing slip attached to the cooler? Yes No

If the cooler had custody seal(s), were they signed and intact? Yes No Na

Was the cooler packed with: Ice Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 4.3°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C? Yes No

If no explain: _____

Were all samples sealed in plastic bags? Yes No

Did all samples arrive intact? If no, indicate below. Yes No

Were all samples labeled correctly? (ID's Dates, Times) If no, indicate below. Yes No

Can the tests required be ran with the provided containers, If no indicate below. Yes No

Was sufficient sample volume sent for all containers? Yes No

Were any VOA vials received with head space? Yes No Na

Was the correct preservatives used? Yes No Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: Non Montagu Date: 1/10/05



Chain of Custody Record

Company: THRIFTY OIL CO	Phone: (562) 921-3581	A.L. Job No. 143296	Page _____ of _____
Project Manager: JEFF SURYAKUSUMA	Fax: (562) 921-7540	Analysis Requested	
Project Name: Q. W. S.	Project #: 083		
Site Name and Address: 6125 TELEGRAPH AVE OAKLAND, CA 94609			
Test Instructions & Comments T-0600101366			

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH ₀ (8015M)	BTEX (8260B)	MVDE (8260B)
1 MW-3		01-06-05	12:30	H ₂ O	3-VOA	HCL	X	X	X
2 MW-1			12:40				X	X	X
3 MW-5			13:15				X	X	X
4 MW-6			14:10				X	X	X
5 MW-4			14:30				X	X	X
6 TRIP BLANK			00:00		2-VOA		X	X	
7									
8									
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: FMC 1.		Relinquished by: GOLDEN STATE 3.	
Total Number of Containers: 17	Properly Cooled: <input checked="" type="radio"/> Y / <input type="radio"/> N / <input type="radio"/> NA	Signature: [Signature]		Signature: OVERNIGHT		Signature: _____	
Custody Seals: Y/N (NA)	Samples Intact: <input checked="" type="radio"/> Y / <input type="radio"/> N / <input type="radio"/> NA	Printed Name: SERBAY POPKIN		Printed Name: _____		Printed Name: _____	
Received in Good Condition: <input checked="" type="radio"/> Y / <input type="radio"/> N	Samples Accepted: <input checked="" type="radio"/> Y / <input type="radio"/> N	Date: 01-06-05	Time: 17:00	Date: _____	Time: _____	Date: _____	Time: _____
Turn Around Time				Received By: GOLDEN STATE 1.		Received By: Juan 2.	
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature: OVERNIGHT		Signature: [Signature]	
				Printed Name: _____		Printed Name: Sean Montoya	
				Date: _____		Date: 1/10/05 Time: 9:45	
						Date: 1/10-05 Time: 1:10	

APPENDIX C

063

THRIFTY OIL CO. SERVICE STATION #063
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 02-18-05

OBSERVATIONS AND COMMENTS: CONTINUE TO DISASSEMBLY FROM
REMEDIATION SYSTEM AND TAKE PARTS TO
TRANSFER STATION

FLOW METER READING: 1804020

SAMPLES OBTAINED: N/A

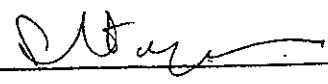
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

INSPECTOR'S SIGNATURE: 

063

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 02-02-05

OBSERVATIONS AND
COMMENTS: SYSTEM IS STILL SHUT DOWN UNTIL
FURTHER NOTICE, PARTIAL DEMOLITION FROM
REMEDIATION SYSTEM

FLOW METER READING: 1804020

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: _____

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

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

INSPECTOR'S SIGNATURE: S. Popescu



SYSTEM STARTUP / SHUTDOWN REPORT

SITE: 063
 ADDR: 6125 TELEGRAPH AVE
OAKLAND, 94609
 DATE: 01-28-02
 PERSON: STERRANT

Remediation System Type: AS SVE DPE GWT FPR Other: _____

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		180620	FOR REPAIR
FPR	FP Recovery					
O	Other:					

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

OTHER NOTES:
CONTROL BOX NEED REPLACE OR REPAIR RIGHT NOW
IS IN SHOP FOR INSPECTION

ALWAYS OBSERVE SAFETY PROCEDURES!



SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

4063

ADDR:

6125 TELEGRAPH AVE
OAKLAND, CA. 94609

DATE:

01-20-05

PERSON:

SERBAN

Remediation System Type: AS SVE OPE GWT FPR Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		1804020	FOR REPAIR
FPR	FP Recovery					
O	Other:					

UTILITIES:

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

OTHER NOTES:

SHUT DOWN FOR REPLACE PARTS INSIDE CONTROL BOX

ALWAYS OBSERVE SAFETY PROCEDURES!

063

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 01-13-05

OBSERVATIONS AND COMMENTS: RESTART SYSTEM AFTER G.U.S.
CHANGE OIL, REPLACE PRESSURE SWITCH,

FLOW METER READING: -1803290-

SAMPLES OBTAINED: N/A

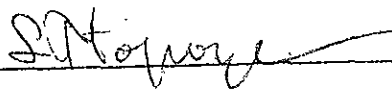
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

INSPECTOR'S SIGNATURE: 



SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

063

ADDR:

6125 TELEGRAPH AVE
OAKLAND, CA.

DATE:

01-13-05

PERSON:

DEBBY

Remediation System Type: AS SVE DPE GWT FPR Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment	✓			1803290	
FPR	PP Recovery					
O	Other:					

UTILITIES:

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

OTHER NOTES:

RESTART AFTER Q.W.S.-

ALWAYS OBSERVE SAFETY PROCEDURES!

063

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 01-05-05

OBSERVATIONS AND
COMMENTS: _____

FLOW METER READING: - 4803140 -

SAMPLES OBTAINED: SYSTEM WATER SAMPLE

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

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

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

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

INSPECTOR'S SIGNATURE: S. Popescu



SYSTEM STARTUP / SHUTDOWN REPORT

SITE:

ADDR:

DATE:

PERSON:

067
 6125 TELEGRAPH AVE
 OAKLAND, 94609
 01-05-05
 SERBAY

Remediation System Type: AS SVE DPE GWT FPR Other:

System Type		Action		Hour Meter (hrs)	Totalizer (gal)	Purpose / Comments
		Startup	Shutdown			
AS	Air Sparging					
SVE	Soil Vapor Extraction					
DPE	Dual-Phase Extraction					
GWT	Groundwater Treatment		✓		1803140	FOR Q.W.S -
FPR	PP Recovery					
O	Other:					

UTILITIES:

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

OTHER NOTES:

SYSTEM WAS SHUT DOWN FOR Q.W.S

ALWAYS OBSERVE SAFETY PROCEDURES!

063

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 12-29-04

OBSERVATIONS AND
COMMENTS: DRAIN COMPRESSOR TANK, CHANGE OIL
CHECK BELT, REPLACE OIL INDICATING FILTER, CLEAN
WATER FILTER BAG, CHECK FLOAT DRAINS AND CLEAN
FILTER BOWLS FOR ANY DEPOSITS AND OIL BUILDUP,

FLOW METER READING: -180.0580

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

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

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

INSPECTOR'S SIGNATURE: S. Popescu

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 12-22-09

OBSERVATIONS AND COMMENTS: DRAIN COMPRESSOR TANK, ADD OIL, CHECK

BELT, HOSES, CLEAN WATER FILTER BAG, REPLACE

CARTRIDGE WATER FILTER, CLEAN THREE STAGE

FILTER/REGULATOR,

FLOW METER READING: -1798000-

SAMPLES OBTAINED: N/A

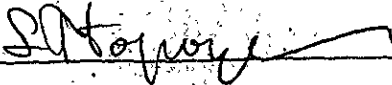
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 12-15-04

OBSERVATIONS AND
COMMENTS: CHECK BELT, ADD OIL, DRAIN COMPRESSOR
TANK, CHECK HOSES AND DRUMS FOR WEAR, CLEAN
WATER FILTER BAG, CHECK THREE STAGE FILTER
REGULATOR, CHECK TIMER,

FLOW METER READING: - 1795460 -

SAMPLES OBTAINED: N/A

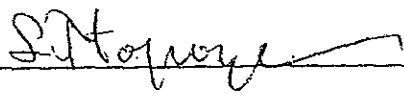
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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

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

INSPECTOR'S SIGNATURE: 

APPENDIX D



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 143295 ✓

REPORTED 01/18/2005

RECEIVED 01/10/2005

PROJECT Station #063 ✓
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.

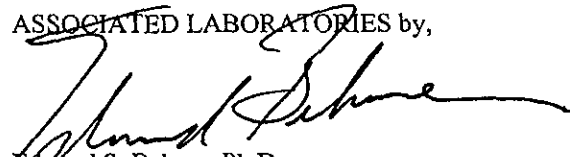
586736
586737
586738
586739
586740
586741

✓
Client Sample Identification

TOC #063 Outlet
TOC #063 Int.-1
TOC #063 Int.-2
TOC #063 Int.-3
TOC #063 Inlet
Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,



Edward S. Behare, Ph.D.
Vice President

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

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 586736

Client Sample ID: TOC #063 Outlet

Matrix: WATER

Date Sampled: 01/05/2005 Time Sampled: 11:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB
Surrogates					Units	Control Limits
Surr1 - Dibromofluoromethane	95				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 130
Surr3 - Toluene-d8	101				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	15	ug/L	01/13/05 LZ
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	76				%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586737

Client Sample ID: TOC #063 Int.-1

Matrix: WATER

Date Sampled: 01/05/2005 Time Sampled: 11:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22	ug/L	01/12/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/12/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	01/12/05 LB
Toluene	ND	1	5	0.32	ug/L	01/12/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/12/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	94			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	92			%	70 - 130
Surr3 - Toluene-d8	106			%	70 - 130
Surr4 - p-Bromofluorobenzene	106			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15	ug/L	01/13/05 LZ
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	77			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586738

Client Sample ID: TOC #063 Int.-2

Matrix: WATER

Date Sampled: 01/05/2005 Time Sampled: 11:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8260B BTEX/MTBE Only							
Benzene	ND	1	1	0.22	ug/L	01/13/05 LB	
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB	
Methyl-tert-butylether (MTBE)	ND	1	1	0.18	ug/L	01/13/05 LB	
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB	
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB	
Surrogates						Units	Control Limits
Surr1 - Dibromofluoromethane	100				%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 130	
Surr3 - Toluene-d8	102				%	70 - 130	
Surr4 - p-Bromofluorobenzene	107				%	70 - 130	
8015M - Gasoline							
Gasoline	ND	1	50	15	ug/L	01/13/05 LZ	
Surrogates						Units	Control Limits
a,a,a-Trifluorotoluene	79				%	55 - 200	

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586739
Matrix: WATER

Client Sample ID: TOC #063 Int.-3
Date Sampled: 01/05/2005 Time Sampled: 11:30

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

Benzene	2.2	1	1	0.22	ug/L	01/13/05 LB
Ethyl benzene	ND	1	5	0.31	ug/L	01/13/05 LB
Methyl-tert-butylether (MTBE)	17	1	1	0.18	ug/L	01/13/05 LB
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB

Surrogates

					Units	Control Limits
Surr1 - Dibromofluoromethane	101				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 130
Surr3 - Toluene-d8	103				%	70 - 130
Surr4 - p-Bromofluorobenzene	108				%	70 - 130

8015M - Gasoline

Gasoline	92	1	50	15	ug/L	01/13/05 LZ
----------	----	---	----	----	------	-------------

Surrogates

					Units	Control Limits
a,a,a-Trifluorotoluene	85				%	55 - 200

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



Order #: 586740

Client Sample ID: TOC #063 Inlet

Matrix: WATER

Date Sampled: 01/05/2005 Time Sampled: 11:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst	
8260B BTEX/MTBE Only							
Benzene	9.1	1	1	0.22	ug/L	01/13/05 LB	
Ethyl benzene	1.2 J	1	5	0.31	ug/L	01/13/05 LB	
Methyl-tert-butylether (MTBE)	72	1	1	0.18	ug/L	01/13/05 LB	
Toluene	ND	1	5	0.32	ug/L	01/13/05 LB	
Xylenes, total	ND	1	5	0.4	ug/L	01/13/05 LB	
Surrogates						Units	Control Limits
Surr1 - Dibromofluoromethane	101				%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130	
Surr3 - Toluene-d8	102				%	70 - 130	
Surr4 - p-Bromofluorobenzene	104				%	70 - 130	
8015M - Gasoline							
Gasoline	291	1	50	15	ug/L	01/12/05 LZ	
Surrogates						Units	Control Limits
a,a,a-Trifluorotoluene	109				%	55 - 200	

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

ND = Not detected below indicated MDL, J=Trace



Order #: 586741

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
---------	--------	----	-----	-----	-------	--------------

8260B BTEX/MTBE Only

Benzene	ND	1	1	0.22 ug/L		01/12/05 LB
Ethyl benzene	ND	1	5	0.31 ug/L		01/12/05 LB
Methyl-tert-butylether (MTBE)	ND	1	1	0.18 ug/L		01/12/05 LB
Toluene	ND	1	5	0.32 ug/L		01/12/05 LB
Xylenes, total	ND	1	5	0.4 ug/L		01/12/05 LB

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	99			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	104			%	70 - 130
Surr3 - Toluene-d8	102			%	70 - 130
Surr4 - p-Bromofluorobenzene	104			%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	15 ug/L		01/12/05 LZ
----------	----	---	----	---------	--	-------------

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	91			%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES
QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 143295-737

Analysis Date: January 13, 2005 12:16 AM

Applies to: LR 143295, 143296

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	60.88	60.69	122	121	0	22	59-172
MTBE	ND	50	48.07	49.30	96	99	3	24	62-137
Benzene	ND	50	50.73	50.89	101	102	0	24	62-137
Trichloroethene	ND	50	55.58	55.60	111	111	0	21	66-142
Toluene	ND	50	54.75	56.13	110	112	2	21	59-139
Chlorobenzene	ND	50	51.17	52.91	102	106	3	21	60-133

QC Sample: LCS/LCSD 9:58 PM

Analysis Date: January 12, 2005

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk Dup.	%Rec LCS	%Rec LCS D	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	53.02	53.04	106	106	0	22	59-172
MTBE	ND	50	48.62	51.25	97	103	5	24	62-137
Benzene	ND	50	48.75	49.77	98	100	2	24	62-137
Trichloroethene	ND	50	45.75	48.16	92	96	5	21	66-142
Toluene	ND	50	50.29	50.24	101	100	0	21	59-139
Chlorobenzene	ND	50	49.74	49.57	99	99	0	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	99	101	92	91	99	99
1,2-DCA	104	103	92	91	96	98
Tol-d8	102	104	103	104	98	100
p-BFB	104	105	107	103	101	108

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: January 11, 2005
 Analysis Date: January 11 - 12, 2005
 ID#'s in Batch: LR 143197, 143238, 143350, 143341, 143295

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	470	571	94	114	19

ND = Not Detected

LCS Result = Lab Control Sample Result

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

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

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

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	90
LCS	186
LCSD	170

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: January 12, 2005
 Analysis Date: January 12 - 13, 2005
 ID#'s in Batch: LR 143269, 143276, 143433, 143448, 143449, 143415, 143417, 143442, 143295

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	459	548	92	110	18

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	91
LCS	144
LCSD	162

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
QA REPORT FORM - METHOD 8260 / 624 / 524.2

QC Sample: MS / MSD - Water Samples 143439-406
 Analysis Date: January 13, 2005 10:03 PM
 Applies to: LR 143295, 143296, 143276, 143439

Reporting Units = ug/L

Matrix Spike / Matrix Spike Duplicate

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk Dup.	%Rec MS	%Rec MSD	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	49.50	48.49	99	97	2	22	59-172
MTBE	ND	50	47.62	46.18	95	92	3	24	62-137
Benzene	ND	50	50.08	49.11	100	98	2	24	62-137
Trichloroethene	ND	50	46.41	47.46	93	95	2	21	66-142
Toluene	ND	50	51.14	51.75	102	104	1	21	59-139
Chlorobenzene	ND	50	50.70	49.05	101	98	3	21	60-133

QC Sample: LCS/LCSD 4:37 PM
 Analysis Date: January 13, 2005

Lab Controlled Spike / Lab Controlled Spike Duplicate

Test	Sample Result	Spike Added	LCS Spike	LCS Spk Dup.	%Rec LCS	%Rec LCS D	RPD	QC Limits	
								RPD	%REC
1,1-Dichloroethene	ND	50	35.32	42.52	71	85	18	22	59-172
MTBE	ND	50	50.67	47.29	101	95	7	24	62-137
Benzene	ND	50	49.64	49.05	99	98	1	24	62-137
Trichloroethene	ND	50	46.93	47.00	94	94	0	21	66-142
Toluene	ND	50	51.03	50.33	102	101	1	21	59-139
Chlorobenzene	ND	50	50.60	49.76	101	100	2	21	60-133

Method Blank = All ND

SURROGATE (QC Limits : 70-135)

Compound	MB 1	MB 2	MS	MSD	LCS	LCSD
DBFM	101	102	99	95	101	97
1,2-DCA	105	106	93	95	95	96
Tol-d8	105	101	102	104	101	101
p-BFB	105	112	105	101	105	106



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: T.O.C. Project: _____

Date Cooler Received: 1/10/05 Date Cooler Opened: 1/10/05

Was cooler scanned for presence of radioactivity? Yes/ No
If yes was radioactivity results above 25 cpm? Yes/No

Was a shipper's packing slip attached to the cooler? Yes/ No

If the cooler had custody seal(s), were they signed and intact? Yes/No/ Na

Was the cooler packed with: Ice Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 4.30c *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C? Yes/No

If no explain: _____

Were all samples sealed in plastic bags? Yes/ No

Did all samples arrive intact? If no, indicate below. Yes/No

Were all samples labeled correctly? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers? Yes/No

Were any VOA vials received with head space? Yes/No/ Na

Was the correct preservatives used? Yes/No/ Na

If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: San Monitor Date: 1/10/05

Chain of Custody Record

ASSOCIATED LABORATORIES

806 North Batavia • Orange, CA 92868

Phone: (714) 771-6900 • Fax: (714) 538-1209



Company THRIFTY OIL CO.	Phone (562) 921-3581	A.L. Job No. 143295 ✓	Page _____ of _____						
Project Manager JEFF JURYALUSUMA	Fax (562) 921-7560	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Analysis Requested</th> <th>Test Instructions & Comments</th> </tr> <tr> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:80%;"></td> </tr> </table>		Analysis Requested		Test Instructions & Comments			
Analysis Requested				Test Instructions & Comments					
Project Name SYSTEM WATER	Project # 063 ✓								
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA. 94609									

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH (8016M)	BTEX (8260B)	MTH (8260B)
1 OUTLET PSP#1		01-05-05	11:00	H2O	3-VOL	HCL	X	X	X
2 INT.-1		↓	11:20	↓	↓	↓	X	X	X
3 INT.-2		↓	11:20	↓	↓	↓	X	X	X
4 INT.-3		↓	11:30	↓	↓	↓	X	X	X
5 INLET		↓	11:40	↓	↓	↓	X	X	X
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: EMC 1.		Relinquished by GOLDEN STATE 2.		Relinquished by _____ 3.	
Total Number of Containers		Properly Cooled Y / N / NA		Signature: <i>[Signature]</i>		Signature: OVERNIGHT		Signature: _____	
Custody Seals Y / N / NA		Samples Intact Y / N / NA		Printed Name: SERBENT APPENDU		Printed Name: _____		Printed Name: _____	
Received in Good Condition Y / N		Samples Accepted Y / N		Date: 01-05-05 Time: 17:00		Date: _____ Time: _____		Date: _____ Time: _____	
Turn Around Time				Received By: GOLDEN STATE		Received By: Juan 2.		Received By: _____ 3.	
<input checked="" type="checkbox"/> Normal		<input type="checkbox"/> Rush		Signature: OVERNIGHT		Signature: <i>[Signature]</i>		Signature: _____	
<input type="checkbox"/> Same Day		<input type="checkbox"/> 48 hrs.		Printed Name: _____		Printed Name: Juan Montoya		Printed Name: _____	
<input type="checkbox"/> 24 hrs.		<input type="checkbox"/> 72 hrs.		Date: _____ Time: _____		Date: 1/10/05 Time: 9:45		Date: 1-10-05 Time: 1:10	