

THRIFTY OIL CO.

January 9, 2008

O.83365

Ms. Mirtha Ninayahuar
EBMUD-Mail Slot #702
Source Control Division
P.O. Box 24055
Oakland, CA 92623-1055

RECEIVED

2:07 pm, Jan 22, 2008

Alameda County
Environmental Health

RE: **Thrifty Oil Co. Station #049**
3400 San Pablo Avenue, Oakland, CA 94612

Subject: **Semi-Annual Groundwater Treatment Report**
(July through Decemeber 2007)
Discharge Permit #502-44452

Dear Ms. Ninayahuar:

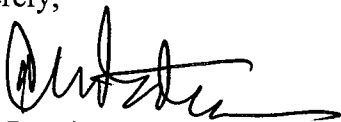
Presented herein is the *Semi-Annual Groundwater Treatment Report (July through December 2007)* prepared by Equipoise Corporation (Equipoise) dated January 4, 2008 for the Wastewater Discharge Permit #502-44452 issued for the groundwater treatment system at the above-referenced site. This report presents the operational and discharge sampling data for the months of July through December 2007.

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

Certification Statement

I certify under the penalty of law that this document and all attachments are prepared under my direction in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Chris Panaitescu
General Manager
Environmental Affairs

cc BP West Coast
file



January 4, 2008

Ms. Mirtha Ninayahuar
EBMUD-Mail Slot #702
Source Control Division
P.O. Box 24055
Oakland, CA 92623-1055

RE: **Thrifty Oil Co. Station #049**
3400 San Pablo Avenue, Oakland, CA 94612
Semi-Annual Groundwater Treatment Report
(June 1, 2007 through December 21, 2007)
Discharge Permit #502-44452

Dear Ms. Ninayahuar:

This report presents the information required by the Compliance Reporting Conditions of East Bay Municipal Utility District's (EBMUD) Wastewater Discharge Permit #502-44452. This report contains data collected during the period of June 1, 2007 through December 21, 2007, and includes the data recorded during the system operations as well as the results of analytical laboratory testing of the groundwater discharge samples collected from the system.

System Operation

The previous groundwater treatment system was started in April 1991 and extracted groundwater from well RW-1 using aboveground double-diaphragm pump. Extracted water was treated using three canisters of granular activated carbon adsorbers and then discharged into the sewer under the above referenced discharge permit. Approximately 1,445,088 gallons of water were processed by the groundwater treatment system between April 1991 and February 14, 2003 when the system was shut down for upgrades.

With the approval of Alameda County Health Care Services, Thrifty contracted Advanced GeoEnvironmental (AGE) of Stockton to perform system upgrade and overhaul of the former remediation system. The system upgrade included replacing the former groundwater extraction wells and overhauling/replacing major system components. The upgraded system extracts from new wells RW-1R, MW-2R, and MW-4R using submersible pneumatic pumps. The extracted water is treated using three canisters of granular activated carbon adsorbers arranged in series before being discharged into the sewer. After system testing, the upgraded remediation system was started by AGE on June 18, 2004.

System operations and maintenance (O&M) duties were assumed by Earth Management Company (EMC) on January 12, 2005; EMC conducted O&M during the current reporting period.

The system operated continuously except when it was turned off for the following time interval for quarterly groundwater sampling events and for a carbon change-out:

- July 17 through July 20, 2007 (3rd Quarter 2007),
- September 5 through September 17, 2007 for a carbon change-out, and
- October 16 through October 19, 2007 (4th Quarter 2007).

ORANGE COUNTY OFFICE

1401 N. El Camino Real, Suite 107
San Clemente, California 92677 • USA
Phone: 949.366.0275
Facsimile: 949.366.0281

CORPORATE OFFICE

26395 Jefferson Avenue, Suite A
Murrieta, California • USA
Phone: 951.696.7217
Facsimile: 951.696.9527

During the current reporting period, approximately 91,960 gallons of water were processed by the groundwater treatment unit. As of December 21, 2007, a total of approximately 1,722,696 gallons of water have been treated and discharged by the groundwater treatment system.

System Water Sampling

As required by the permit, outlet water samples for the upgraded groundwater treatment system were collected on a quarterly basis. In addition to the required samples, water samples were also collected from the intermediate and inlet of the treatment system.

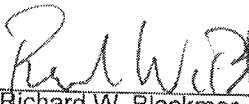
EMC collected outlet grab samples, labeled PSP-1, for the current reporting period on August 21, 2007, and November 20, 2007. The samples were analyzed by Associated Laboratories for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B; and for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B. The results of the samples collected during this period were in compliance with the requirements of the Wastewater Discharge Permit. **Table 1** presents the historical data as well as the sample results during this reporting period. Copies of the analytical laboratory reports from this reporting period are contained in **Appendix A**.

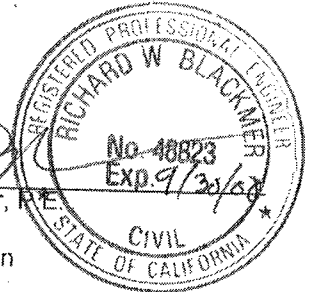
Should you have any questions regarding this report, please contact the undersigned at 949 366-0266.

Prepared by:

for

Kathryn Galang
Staff Scientist
Equipoise Corporation


Richard W. Blackmer, P.E.
Principal Engineer
Equipoise Corporation



TABLES

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
4/8/1991	1,310	0	-	-	<0.3	<0.3	<0.3	<0.9	-	910	2000	160	2000	-
4/15/1991	1,434	124	18	-	<0.3	<0.3	<0.3	<0.3	-	2800	4600	310	5000	-
4/22/1991	1,510	200	11	-	<15	<15	<15	<45	-	3100	3300	<15	2800	-
4/29/1991	1,660	350	21	-	<0.3	<0.3	<0.3	<0.9	-	3600	4500	300	5000	-
5/6/1991	1,740	430	11	-	<0.3	<0.3	<0.3	<0.9	-	3600	3500	300	3800	-
5/13/1991	1,880	570	20	-	<0.3	<0.3	<0.3	<0.9	-	3300	3200	230	3900	-
5/20/1991	2,010	700	19	-	<0.3	<0.3	<0.3	<0.9	-	3300	3400	260	5100	-
5/28/1991	2,050	740	5	-	<0.3	<0.3	<0.3	<0.9	-	2900	3000	230	4200	-
6/3/1991	2,110	800	10	-	<0.3	<0.3	<0.3	<0.9	-	2500	2100	110	2800	-
6/10/1991	2,160	850	7	-	<0.3	<0.3	<0.3	<0.9	-	1800	1700	120	2100	-
6/17/1991	2,219	909	8	-	<0.3	<0.3	<0.3	<0.9	-	2100	1900	170	2700	-
6/24/1991	2,263	953	6	-	<0.3	<0.3	<0.3	<0.9	-	2100	1800	150	2700	-
07/01/91	2,313	1,003	7	-	<0.5	<0.5	<1	<1	-	2,700	2,000	150	2,900	-
07/08/91	2,700	1,390	55	-	<0.5	<0.5	<1	<1	-	4,000	2,500	130	4,400	-
07/15/91	2,872	1,562	25	-	<0.5	<0.5	<1	<1	-	3,100	1,900	140	3,200	-
07/22/91	3,144	1,834	39	-	<0.5	<0.5	<1	<1	-	3,400	2,100	110	2,800	-
07/29/91	3,220	1,910	11	-	<0.5	<0.5	<1	<1	-	5,100	2,200	180	2,700	-
08/05/91	3,348	2,038	18	-	<0.5	<0.5	<1	<1	-	5,100	3,900	400	4,200	-
08/12/91	3,472	2,162	18	-	<0.5	<0.5	<1	<1	-	11,000	6,200	440	8,400	-
08/19/91	3,548	2,238	11	-	<0.5	<0.5	<1	<1	-	4,500	2,400	130	2,600	-
08/26/91	3,655	2,345	15	-	<0.5	<0.5	<1	<1	-	4,400	2,500	260	3,600	-
09/09/91	3,822	2,512	12	-	<0.5	<0.5	<1	<1	-	5,200	3,000	390	3,700	-
09/16/91	3,884	2,574	9	-	<0.5	<0.5	<1	<1	-	4,100	2,000	460	4,900	-
09/23/91	4,013	2,703	18	-	<0.5	<0.5	<1	<1	-	4,600	1,600	710	6,400	-
09/30/91	4,092	2,782	11	-	<0.5	<0.5	<1	<1	-	5,700	2,000	380	6,200	-
10/07/91	4,131	2,821	6	System shut down					-					
10/14/91	4,195	2,885	9	-	<0.5	<0.5	<1	<1	-	4,400	2,000	370	8,100	-
10/21/91	4,406	3,096	30	-	<0.5	<0.5	<1	<1	-	2,300	1,100	190	4,200	-
10/28/91	4,474	3,164	10	-	<0.5	<0.5	<1	<1	-	6,400	4,100	620	6,100	-
11/03/91	4,613	3,303	23	-	<0.5	<0.5	<1	<1	-	6,100	2,800	200	5,600	-
11/11/91	4,700	3,390	11	-	<0.5	<0.5	<1	<1	-	6,500	2,300	<30	4,900	-
11/18/91	4,887	3,577	27	-	<0.5	<0.5	<1	<1	-	5,600	2,500	300	4,600	-
11/25/91	5,042	3,732	22	-	<0.5	<0.5	<1	<1	-	5,400	2,800	230	5,700	-
12/03/91	5,263	3,953	28	-	<0.5	<0.5	<1	<1	-	7,200	3,300	490	5,500	-
12/09/91	5,362	4,052	17	-	<0.5	<0.5	<1	<1	-	4,400	1,700	140	3,900	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
12/16/91	5,486	4,176	18	-	<0.5	<0.5	<0.5	<0.5	-	4,700	2,300	310	4,600	-
12/23/91	5,516	4,206	4	-	<0.5	<0.5	<0.5	<0.5	-	4,000	2,200	290	5,900	-
12/30/91	5,575	4,265	8	-	<0.5	<0.5	<0.5	<0.5	-	5,200	2,500	350	5,800	-
01/15/92	5,720	4,410	9	-	<0.5	<0.5	<0.5	<0.5	-	3,400	1,900	300	6,300	-
02/10/92	6,264	4,954	21	-	<0.5	<0.5	<0.5	<0.5	-	5,800	2,800	320	7,200	-
03/09/92	8,520	7,210	81	<200	<0.5	1.6	<0.5	<0.5	47,000	7,100	4,800	630	10,300	-
04/13/92	22,888	21,578	411	<200	<0.5	<0.5	<0.5	<0.5	29,000	4,500	2,200	160	4,800	-
05/11/92	24,920	23,610	73	<200	<0.5	<0.5	<0.5	<0.5	22,000	4,300	1,500	130	3,800	-
06/01/92	28,330	27,020	162	<200	<0.5	<0.5	<0.5	<0.5	18,000	3,400	1,500	660	4,200	-
07/13/92	72,675	27,020	-	-	<0.5	<0.5	<0.5	<0.5	-	1,800	750	150	5,600	-
07/13/92	72,675	27,020	-	The system pumped air and flowmeter jumped from 30,000 gallons to 70,000					-	-	-	-	-	-
08/17/92	75,046	29,391	68	-	<0.5	<0.5	<0.5	<0.5	-	1,100	350	200	1,100	-
09/14/92	75,582	29,927	19	-	<0.5	<0.5	<0.5	<1	-	2,100	520	<25	3,500	-
10/05/92	75,680	30,025	5	<200	<0.5	<0.5	<0.5	<1	19,000	1,700	270	<25	4,000	-
11/09/92	77,280	31,625	46	-	<0.5	<0.5	<0.5	<0.5	-	4,000	1,400	120	5,900	-
12/14/92	79,420	33,765	61	-	<0.5	<0.5	<0.5	<1	-	7,300	4,900	1,800	16,000	-
01/04/93	84,720	39,065	252	-	<0.5	<0.5	<0.5	<1	-	5,400	2,100	450	7,800	-
02/15/93	102,689	57,034	428	<200	<0.5	<0.5	<0.5	<1	41,000	6,600	3,200	260	9,600	-
02/22/93	146,430	57,034	-	The system pumped air and flowmeter jumped from 102,689 gallons to 146,430					-	-	-	-	-	-
03/08/93	147,500	58,104	76	-	<0.5	<0.5	<0.5	<1	-	7,400	3,400	56	11,000	-
04/26/93	151,200	61,804	76	<100	<0.5	<0.5	<0.5	<1	36,000	4,300	2,200	420	8,300	-
04/26/93	151,200	61,804	-	Shut down system for repair					-	-	-	-	-	-
07/21/93	151,240	61,844	0	Restart the system					-	-	-	-	-	-
08/11/93	151,650	62,254	20	-	<0.5	<0.5	<0.5	<1	-	6,500	2,300	390	6,200	-
09/16/93	154,005	64,609	65	<60	<0.3	<0.3	<0.3	<0.6	43,000	2,300	320	<4.4	2,900	-
10/04/93	154,896	65,500	50	<60	<0.3	<0.3	<0.3	<0.6	33,000	2,900	470	6.9	3,500	-
11/05/93	157,431	68,035	79	<50	<0.3	<0.3	<0.3	<0.5	15,000	1,100	27	<0.3	920	-
12/03/93	159,324	69,928	68	<50	<0.3	<0.3	<0.3	<0.5	16,000	1,100	88	<6.6	2,300	-
01/06/94	166,440	77,044	209	-	<0.3	<0.3	<0.3	<0.5	-	3,800	730	<13	1,200	-
02/03/94	170,720	81,324	153	-	<0.3	<0.3	<0.3	<0.5	-	3,600	610	<4.4	4,800	-
03/03/94	178,168	88,772	266	-	<0.3	<0.3	<0.3	<0.5	-	2,800	2,000	270	3,400	-
04/07/94	185,670	96,274	214	<50	<0.3	<0.3	<0.3	<0.5	26,000	2,200	550	<6.6	1,900	-
05/12/94	188,840	99,444	91	<50	<0.3	<0.3	<0.3	<0.5	4,600	100	10	8.4	280	-
06/16/94	194,680	105,284	167	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-
07/11/94	199,135	109,739	178	<50	<0.3	<0.3	<0.3	<0.5	4,000	220	<2.6	<2.6	320	-

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GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
08/04/94	200,910	111,514	74	<50	<0.3	<0.3	<0.3	<0.5	7,800	480	6.2	<0.3	630	-	
09/15/94	203,450	114,054	60	<50	<0.3	<0.3	<0.3	<0.5	3,200	150	2.4	2.6	170	-	
10/10/94	205,210	115,814	70	<50	<0.3	<0.3	<0.5	<0.5	1,300	8.6	1.5	1.1	15	-	
11/07/94	206,060	116,664	30	<50	<0.3	<0.3	<0.5	<0.5	170	1.5	<0.3	<0.5	0.5	-	
12/05/94	207,093	117,697	37	<50	<0.3	<0.3	<0.5	<0.5	75	1.3	<0.3	<0.5	<0.5	-	
01/09/95	207,293	117,897	6	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	-	
02/01/95	207,650	118,254	16	<50	<0.3	<0.3	<0.5	<0.5	<50	<0.3	<0.3	<0.5	<0.5	-	
02/06/95	207,810	118,414	32	<50	<0.3	<0.3	<0.5	<0.5	<50	2.7	<0.3	<0.5	<0.5	-	
03/10/95	208,430	119,034	19	<100	<0.5	<0.5	<0.5	<1	<100	<0.5	<0.5	<0.5	<0.5	-	
04/10/95	208,564	119,168	4	<100	<0.5	<0.5	<0.5	<1	3,300	180	7.6	2.1	150	-	
05/08/95	208,608	119,212	2	<100	<0.5	<0.5	<0.5	<1	11,000	640	9.2	<5	1,100	-	
06/05/95	208,926	119,530	11	<100	<0.5	<0.5	<0.5	<1	5,100	270	2.2	<0.5	49	-	
07/10/95	214,182	124,786	150	<100	<0.5	<0.5	<0.5	<1	13,000	1,600	120	24	1,300	-	
08/07/95	221,876	132,480	275	Shut down system for repair											
08/28/95	221,997	132,601	6	Restart the system											
09/06/95	222,003	132,607	1	<100	<0.5	<0.5	<0.5	<1	-	-	-	-	-	-	
10/09/95	222,343	132,947	10	<100	<0.5	<0.5	<0.5	<1	2,300	<0.5	<0.5	<0.5	<1	-	
11/06/95	222,704	133,308	13	<50	0.3	0.31	<0.3	0.68	2,000	5.6	0.77	0.66	3.8	-	
12/11/95	223,792	134,396	31	<50	<0.3	<0.3	<0.3	<0.5	3,000	27	1.7	3.7	48	-	
01/08/96	224,661	135,265	31	970	<0.3	<0.3	<0.3	0.67	<50	<0.3	<0.3	<0.3	0.96	-	
02/12/96	227,812	138,416	90	<50	10	0.37	<0.3	0.53	1,800	39	<0.3	<0.3	<0.5	-	
03/12/96	229,301	139,905	51	<50	<0.3	<0.3	<0.3	<0.5	3,300	190	<7.5	<7.5	20	-	
04/08/96	242,320	152,924	482	<50	<0.3	<0.3	<0.3	<0.5	2,700	250	2.3	<1.5	<2.5	-	
05/06/96	247,840	158,444	197	100	<0.3	<0.3	<0.3	<0.5	1,000	90	5	<0.3	67	-	
06/03/96	248,423	159,027	21	<0.3	<0.3	<0.3	<0.3	<0.5	15,000	2,200	600	32	2,400	-	
08/08/96	248,423	159,027	-	Shut down system for carbon change											
08/20/96	248,630	159,234	17	Start-up system											
09/23/96	259,030	169,634	306	<50	<0.3	<0.3	<0.3	<0.5	-	-	-	-	-	-	
10/16/96	263,610	174,214	199	<50	<0.3	<0.3	<0.3	<0.5	2,100	24	<0.3	<0.3	49	-	
11/19/96	263,986	174,590	11	<50	<0.3	<0.3	<0.3	<0.5	4,100	260	<3	<3	34	-	
12/16/96	264,210	174,814	8	<50	<0.3	<0.3	<0.3	<0.5	2,700	220	3.8	<0.6	44	-	
01/22/97	266,220	176,824	54	<50	<0.3	<0.3	<0.3	1.5	1,200	<0.3	<0.3	<0.3	<0.5	-	
02/24/97	267,030	177,634	25	<50	<0.3	<0.3	<0.3	<0.5	29,000	410	2,300	120	1,100	-	
03/17/97	267,230	177,834	10	<50	<0.3	<0.3	<0.3	<0.5	68,000	<0.3	<0.3	<0.3	<0.5	-	
04/21/97	267,415	178,019	5	<50	<0.3	<0.3	<0.3	<0.5	51,000	3,500	3,200	390	2,200	-	
				<50	<0.3	<0.3	<0.3	<0.5	89,000	<6	11	<6	14	-	
				<50	<0.3	<0.3	<0.3	<0.5	61,000	730	18	130	360	-	

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				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
05/22/97	276,535	187,139	294	<50	<0.3	<0.3	<0.3	<0.5	850	1.3	<0.3	0.4	4.6	-	
06/23/97	281,214	191,818	146	-	-	-	-	-	-	-	-	-	-	-	
07/14/97	284,210	194,814	143	<50	<0.3	<0.3	<0.3	<0.5	6,600	<0.3	0.59	<0.3	9	-	
08/18/97	298,610	209,214	411	-	-	-	-	-	-	-	-	-	-	-	
09/15/97	301,043	211,647	87	-	-	-	-	-	-	-	-	-	-	-	
10/07/97	333,480	244,084	1,474	<50	<0.3	<0.3	<0.3	<0.5	94,000	<0.3	<0.3	<0.3	<0.5	-	
11/17/97	334,286	244,890	20	-	-	-	-	-	-	-	-	-	-	-	
12/08/97	334,382	244,986	5	-	-	-	-	-	-	-	-	-	-	-	
12/12/97	334,382	244,986	-	Shut down system due to stolen equipment					-	-	-	-	-	-	-
04/08/98	334,382	244,986	-	<50	<0.3	<0.3	<0.3	<0.5	3,100	12	1	<0.3	490	2,600	
05/11/98	334,382	244,986	-	-	-	-	-	-	-	-	-	-	-	-	
06/22/98	334,382	244,986	-	-	-	-	-	-	-	-	-	-	-	-	
07/20/98	334,382	244,986	-	<50	<0.3	<0.3	<0.3	<0.5	52,000	8	0.52	0.83	1.5	-	
08/03/98	346,521	257,125	867	Shut down system for carbon canisters replacement					-	-	-	-	-	-	
09/17/98	354,985	265,589	188	-	-	-	-	-	-	-	-	-	-	-	
10/14/98	358,015	268,619	112	<50	<0.3	<0.3	<0.3	1.6	3,100	45	13	3.5	350	-	
11/05/98	359,600	270,204	72	System shut down due to vandalism and stolen equipment					-	-	-	-	-	-	
11/20/98	359,600	270,204	-	Restart					-	-	-	-	-	-	
12/11/98	369,452	280,056	469	-	-	-	-	-	-	-	-	-	-	-	
12/24/98	-	280,056	-	No reading, meter broken					-	-	-	-	-	-	
01/15/99	0	280,056	-	Replaced Flowmeter started at 0					-	-	-	-	-	-	
01/21/99	986	281,042	164	57	<0.3	<0.3	<0.3	0.76	380	6.2	1	<0.3	9.1	-	
02/12/99	1,971	282,027	45	-	-	-	-	-	-	-	-	-	-	-	
03/12/99	4,390	284,446	86	-	-	-	-	-	-	-	-	-	-	-	
04/15/99	8,595	288,651	124	<50	<0.3	<0.3	<0.3	<0.5	410	1.6	0.78	<0.3	5	*580 / 330	
05/04/99	9,410	289,466	43	-	-	-	-	-	-	-	-	-	-	-	
05/18/99	9,410	289,466	-	Shut down system for pump controller repair by manufacturer					-	-	-	-	-	-	
09/20/99	9,411	289,467	0	Restart the system					-	-	-	-	-	-	
09/24/99	9,412	289,468	0	-	-	-	-	-	-	-	-	-	-	-	
10/13/99	9,510	289,566	5	<50	<0.3	<0.3	<0.3	<0.5	6,000	<0.3	<0.3	<0.3	<0.5	13,000	
11/12/99	9,702	289,758	6	-	-	-	-	-	-	-	-	-	-	-	
12/17/99	9,894	289,950	5	-	-	-	-	-	-	-	-	-	-	-	
01/20/00	10,052	290,108	5	<50	<0.3	<0.3	<0.3	<0.5	<50	<0.3	<0.3	<0.3	<0.5	-	
02/17/00	10,157	290,213	4	-	-	-	-	-	-	-	-	-	-	-	
03/13/00	10,355	290,411	8	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
04/05/00	10,546	290,602	8	72.7	1.8	4.1	0.7	6.7	119,000	2,360	6,440	6,240	25,200	*30,800 / 21,800
05/19/00	11,072	291,128	12	Shut down system for carbon drum replacement					-	-	-	-	-	-
06/05/00	11,075	291,131	0	Restart the system					-	-	-	-	-	-
06/14/00	11,132	291,188	6	<50	<0.3	<0.3	<0.3	<0.6	<1,000	<6	<6	<6	14	24,500
07/06/00	11,362	291,418	10	Shut down system for carbon replacement					-	-	-	-	-	-
07/17/00	0	291,418	-	Restart the system after carbon change, repipe and flowmeter change (starting at 0.0)					-	-	-	-	-	-
07/24/00	411	291,829	59	<50	<0.3	<0.3	<0.3	<0.6	205	<0.3	1	<0.3	<0.6	*99 / 104
08/21/00	8,193	299,611	278	-	-	-	-	-	-	-	-	-	-	-
09/18/00	27,251	318,669	681	-	-	-	-	-	-	-	-	-	-	-
10/18/00	54,280	345,698	901	<50	<0.18	<0.14	<0.18	<0.26	357,000	2,380	2,960	1,290	6,850	9,630
10/30/00	64,610	356,028	861	-	-	-	-	-	-	-	-	-	-	-
11/27/00	79,870	371,288	545	-	-	-	-	-	-	-	-	-	-	-
12/22/00	99,240	390,658	775	-	-	-	-	-	-	-	-	-	-	-
01/17/01	101,250	392,668	77	<50	<0.18	<0.14	<0.18	<0.26	24,700	783	373	2	3,480	15,000
02/23/01	144,120	435,538	1,159	-	-	-	-	-	-	-	-	-	-	-
03/30/01	195,400	486,818	1,465	-	-	-	-	-	-	-	-	-	-	-
04/06/01	199,090	490,508	527	System shut down for carbon replacement; Replaced on 4/11/01, restart on 4/13/01.					-	-	-	-	-	
04/20/01	207,050	498,468	569	88	<0.18	<0.14	<0.18	<0.26	36,500	855	716	659	1,570	11,400
04/27/01	210,640	502,058	513	System shut down for repair/replacement of compressor's pressure switch and exhaust valve					-	-	-	-	-	
04/30/01	210,640	502,058	-	320	<0.18	<0.14	<0.18	<0.26	7,620	268	22	10	124	*13,600/9,130
05/11/01	210,640	502,058	-	Replaced pressure switch on 5/7/01, system still off for carbon replacement					-	-	-	-	-	
05/21/01	210,640	502,058	-	Restart the system					-	-	-	-	-	
05/30/01	226,830	518,248	1,799	<50	<0.18	<0.14	<0.18	<0.26	96,600	4,980	1,660	2,770	11,300	*53,600/41,800
06/29/01	267,230	558,648	1,347	-	-	-	-	-	-	-	-	-	-	-
07/11/01	310,010	601,428	3,565	<50	<0.18	<0.14	<0.18	<0.26	162,000	<0.18	4,140	4,760	24,000	<0.24
08/17/01	441,270	732,688	3,548	-	-	-	-	-	-	-	-	-	-	-
09/28/01	498,310	789,728	1,358	-	-	-	-	-	-	-	-	-	-	-
10/03/01	503,930	795,348	1,124	<50	<0.18	<0.14	<0.18	<0.26	31,600	<1.8	150	294	5,280	<2.4
11/12/01	664,700	956,118	4,019	-	-	-	-	-	-	-	-	-	-	-
12/28/01	706,300	997,718	904	-	-	-	-	-	-	-	-	-	-	-
01/11/02	721,050	1,012,468	1,054	System shut down for carbon replacement					-	-	-	-	-	
01/21/02	721,050	1,012,468	-	Restart the system					-	-	-	-	-	
02/01/02	731,320	1,022,738	934	<100	<0.3	<0.3	<0.3	<0.6	1,172	1	1	1	6	<5
02/22/02	751,340	1,042,758	953	-	-	-	-	-	-	-	-	-	-	-
03/27/02	813,240	1,104,658	1,876	-	-	-	-	-	-	-	-	-	-	-

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GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET/ EFFLUENT (ug/L)					INLET/ INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
04/12/02	835,170	1,126,588	1,371	<50	<0.18	<0.14	<0.18	<0.26	12,100	5	1	<0.18	<0.26	18,400
04/26/02	918,670	1,210,088	5,964	System shut down					-	-	-	-	-	-
05/10/02	918,680	1,210,098	1	Restart					-	-	-	-	-	-
05/17/02	928,670	1,220,088	1,427	-	-	-	-	-	-	-	-	-	-	-
06/03/02	-	-	-	<50	<0.18	<0.14	<0.18	<0.26	Split-sample results during EBMUD inspection & sampling					
06/07/02	971,240	1,262,658	2,027	-	-	-	-	-	-	-	-	-	-	-
06/28/02	1,012,150	1,303,568	1,948	-	-	-	-	-	-	-	-	-	-	-
07/15/02	1,045,670	1,337,088	1,972	<50	<0.18	<0.14	<0.18	<0.26	10,600	<0.18	<0.14	<0.18	<0.26	10,000
07/31/02	1,052,380	1,343,798	419	System shut down for carbon replacement					-	-	-	-	-	-
08/16/02	1,052,390	1,343,808	1	Restart					-	-	-	-	-	-
08/30/02	1,057,310	1,348,728	351	-	-	-	-	-	-	-	-	-	-	-
09/20/02	1,061,730	1,353,148	210	<50	<0.1	<0.15	<0.06	-	Split-sample results during EBMUD inspection & sampling					
09/27/02	1,064,020	1,355,438	327	-	-	-	-	-	-	-	-	-	-	-
10/04/02	1,069,130	1,360,548	730	<50	<0.18	<0.14	<0.18	<0.26	-	-	-	-	-	-
10/25/02	1,082,500	1,373,918	637	-	-	-	-	-	4,500 J	<0.18	<0.14	<0.18	<0.26	2,570
11/29/02	1,108,680	1,400,098	748	-	-	-	-	-	-	-	-	-	-	-
12/27/02	1,123,890	1,415,308	543	-	-	-	-	-	-	-	-	-	-	-
01/03/03	1,128,910	1,420,328	717	System shut down for carbon replacement					-	-	-	-	-	-
01/10/03	1,128,970	1,420,388	9	Restart					-	-	-	-	-	-
01/17/03	1,132,560	1,423,978	513	<50	<0.14	<0.07	<0.08	1.1	32,400	11	64	<0.8	6,050	706
01/31/03	1,143,290	1,434,708	766	<15	<0.04	0.58	<0.02	1.1	22,700	14	34	18	5,160	550
02/14/03	1,153,670	1,445,088	741	System shut down for carbon replacement					-	-	-	-	-	-
04/04/03	1,153,670	1,445,088	-	System kept off and dismantled for upgrade					-	-	-	-	-	-
06/18/04	0.0	1,445,088	-	Startup of upgraded system					-	-	-	-	-	-
06/21/04	2,322.2	1,447,410	774	-	<0.22	<0.32	<0.31	<0.4	-	-	-	-	-	-
06/23/04	3,361.0	1,448,449	519	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-
06/25/04	4,398.0	1,449,486	519	-	<0.14	<0.16	<0.18	<0.45	-	-	-	-	-	-
07/01/04	6,395.7	1,451,484	333	-	-	-	-	-	-	-	-	-	-	-
07/09/04	8,606.5	1,453,695	276	-	-	-	-	-	-	-	-	-	-	-
07/19/04	11,130.0	1,456,218	252	-	-	-	-	-	-	-	-	-	-	-
07/29/04	11,346.0	1,456,434	22	-	-	-	-	-	-	-	-	-	-	-
08/09/04	12,511.0	1,457,599	106	-	-	-	-	-	27,000	201	247	<0.18	2,060	11,300
08/30/04	19,294.0	1,464,382	323	-	-	-	-	-	-	-	-	-	-	-
09/03/04	20,211.0	1,465,299	229	-	<0.14	<0.16	<0.18	<0.45	18,900	280	290	27	3,600	9,810
09/21/04	24,766.0	1,469,854	253	-	-	-	-	-	-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
10/07/04	28,244.9	1,473,333	217	-	< 0.14	< 0.16	< 0.18	< 0.45	24,100	221	151	74	3,100	11,800
10/18/04	28,288.1	1,473,376	4	-	< 0.14	< 0.16	< 0.18	< 0.45	Split-sample results during EBMUD inspection & sampling					
10/21/04	28,463.5	1,473,552	58	-	-	-	-	-	-	-	-	-	-	-
10/28/04	34,435.8	1,479,524	853	-	-	-	-	-	-	-	-	-	-	-
11/02/04	37,200.4	1,482,288	553	-	-	-	-	-	-	-	-	-	-	-
11/09/04	39,902.6	1,484,991	386	-	-	-	-	-	29,500	564	628	173	4,550	11,800
11/17/04	43,165.9	1,488,254	408	-	-	-	-	-	-	-	-	-	-	-
11/22/04	43,760.3	1,488,848	119	-	-	-	-	-	-	-	-	-	-	-
12/03/04	43,827.9	1,488,916	6	-	-	-	-	-	-	-	-	-	-	-
12/09/04	43,862.7	1,488,951	6	-	-	-	-	-	-	-	-	-	-	-
12/17/04	44,034.6	1,489,123	21	-	-	-	-	-	-	-	-	-	-	-
12/23/04	45,408.0	1,490,496	229	-	<0.14	<0.16	<0.18	1.2	23,200	473	256	488	2,100	6,080
12/29/04	47,405.4	1,492,493	333	-	-	-	-	-	-	-	-	-	-	-
01/07/05	54,048.5	1,499,137	738	-	-	-	-	-	-	-	-	-	-	-
01/12/05	56,143.5	1,501,232	419	EMC took over operation and maintenance of system										
01/14/05	56,307.2	1,501,395	82	Carbon change										
01/19/05	56,307.2	1,501,395	-	Restarted after carbon change										
01/27/05	57,610.1	1,502,698	163	<15	<0.14	1.1	<0.18	<0.45	4,850	189	205	255	1,450	966
02/03/05	63,253.1	1,508,341	806	-	-	-	-	-	-	-	-	-	-	-
02/11/05	65,739.0	1,510,827	311	-	-	-	-	-	-	-	-	-	-	-
02/18/05	67,326.3	1,512,414	227	-	-	-	-	-	-	-	-	-	-	-
02/24/05	67,392.1	1,512,480	11	-	-	-	-	-	-	-	-	-	-	-
03/09/05	67,984.2	1,513,072	46	-	-	-	-	-	-	-	-	-	-	-
03/17/05	69,219.3	1,514,307	154	-	-	-	-	-	-	-	-	-	-	-
03/23/05	70,454.2	1,515,542	206	-	-	-	-	-	-	-	-	-	-	-
03/30/05	71,783.1	1,516,871	190	-	-	-	-	-	-	-	-	-	-	-
04/06/05	75,721.2	1,520,809	563	<15	<0.14	0.91	<0.18	<0.45	10,900	247	112	356	892	2,010
04/07/05	-	-	-	<15	< 0.14	< 0.16	<0.18	< 0.45	Split-sample results during EBMUD inspection & sampling					
04/14/05	79,730.2	1,524,818	501	System was turned off for QWS										
04/21/05	79,885.1	1,524,973	22	Restarted system										
04/27/05	80,674.2	1,525,762	132	-	-	-	-	-	-	-	-	-	-	-
05/12/05	83,901.3	1,528,989	215	-	-	-	-	-	-	-	-	-	-	-
05/20/05	84,601.7	1,529,690	88	-	-	-	-	-	-	-	-	-	-	-
05/27/05	86,432.1	1,531,520	261	-	-	-	-	-	-	-	-	-	-	-
06/02/05	87,654.3	1,532,742	204	-	-	-	-	-	-	-	-	-	-	-

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Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
06/09/05	87,981.1	1,533,069	47	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	88,340.0	1,533,428	51	-	-	-	-	-	-	-	-	-	-	-	-
06/16/05	0.0	1,533,428	-	Changed battery for flow meter (reset to 0.0 gallons)					-	-	-	-	-	-	-
06/23/05	2,914.2	1,536,342	416	-	-	-	-	-	-	-	-	-	-	-	-
06/28/05	4,751.3	1,538,179	367	-	-	-	-	-	-	-	-	-	-	-	-
07/07/05	7,125.7	1,540,554	264	<2.9	<0.17	<0.22	<0.14	<0.38	7,530	301	71 J	132	800	2,580	-
07/12/05	8,534.3	1,541,962	282	-	-	-	-	-	-	-	-	-	-	-	-
07/19/05	9,145.3	1,542,573	87	-	-	-	-	-	-	-	-	-	-	-	-
07/26/05	10,570.5	1,543,999	204	System was turned off for QWS and carbon change					-	-	-	-	-	-	-
08/03/05	10,572.1	1,544,000	0	Restarted system					-	-	-	-	-	-	-
08/09/05	10,827.1	1,544,255	43	-	-	-	-	-	-	-	-	-	-	-	-
08/19/05	-	-	-	-	<0.05	<0.07	<0.08	<0.33	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
08/19/05	11,219.6	1,544,648	39	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling						
08/23/05	11,311.2	1,544,739	23	-	-	-	-	-	-	-	-	-	-	-	-
09/07/05	11,713.1	1,545,141	27	-	-	-	-	-	-	-	-	-	-	-	-
09/13/05	11,816.3	1,545,244	17	-	-	-	-	-	-	-	-	-	-	-	-
09/20/05	11,930.2	1,545,358	16	-	-	-	-	-	-	-	-	-	-	-	-
09/26/05	12,241.6	1,545,670	52	-	-	-	-	-	-	-	-	-	-	-	-
10/04/05	12,314.2	1,545,742	9	<2.9	<0.17	<0.22	<0.14	<0.38	4,250	129	113	3.9 J	237	2,120	-
10/11/05	12,578.6	1,546,007	38	-	-	-	-	-	-	-	-	-	-	-	-
10/17/05	12,781.3	1,546,209	34	System was turned off for QWS					-	-	-	-	-	-	-
10/21/05	12,796.1	1,546,224	4	Restarted system					-	-	-	-	-	-	-
11/01/05	13,383.2	1,546,811	53	-	-	-	-	-	-	-	-	-	-	-	-
11/08/05	13,399.2	1,546,827	2	-	<0.10	<0.15	<0.06	<0.40	Split-sample results during EBMUD inspection & sampling						
11/16/05	13,807.4	1,547,235	51	-	-	-	-	-	-	-	-	-	-	-	-
11/23/05	0.0	1,547,235	-	Changed battery for flow meter (reset to 0.0 gallons)					-	-	-	-	-	-	-
11/29/05	717.2	1,547,953	120	-	-	-	-	-	-	-	-	-	-	-	-
12/07/05	1,038.1	1,548,274	40	-	-	-	-	-	-	-	-	-	-	-	-
12/14/05	1,669.4	1,548,905	90	-	-	-	-	-	-	-	-	-	-	-	-
12/20/05	1,874.3	1,549,110	34	-	-	-	-	-	-	-	-	-	-	-	-
12/28/05	2,022.1	1,549,258	18	-	-	-	-	-	-	-	-	-	-	-	-
01/04/06	4,413.3	1,551,649	342	-	-	-	-	-	-	-	-	-	-	-	-
01/10/06	5,614.3	1,552,850	200	<2.9	<0.32	<0.1	<0.24	<0.3	12,000	16	51	2.3 J	1,300	338	-
01/18/06	6,414.4	1,553,650	100	-	-	-	-	-	-	-	-	-	-	-	-
01/20/06	6,728.3	1,553,964	157	System was turned off for QWS and carbon change					-	-	-	-	-	-	-

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
01/27/06	6,731.2	1,553,967	0	Restarted system					-	-	-	-	-	-	-
01/31/06	6,842.3	1,554,078	28	-	-	-	-	-	-	-	-	-	-	-	
02/01/06	-	-	-	-	<0.70	<0.67	<0.65	<2.0	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
02/01/06	6,903.0	1,554,138	61	-	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling						
02/01/06	0.0	1,554,138	-	Changed battery for flow meter (reset to 0.0 gallons)					-	-	-	-	-	-	
02/07/06	308	1,554,447	51	-	-	-	-	-	-	-	-	-	-	-	
02/21/06	978	1,555,116	48	-	-	-	-	-	-	-	-	-	-	-	
02/24/06	1,268	1,555,406	97	-	-	-	-	-	-	-	-	-	-	-	
02/24/06	10	1,555,406	-	Replaced flow meter with nonresettable analog type, start with 10					-	-	-	-	-	-	
02/28/06	978	1,556,374	242	-	-	-	-	-	-	-	-	-	-	-	
03/07/06	3,254	1,558,650	325	-	-	-	-	-	-	-	-	-	-	-	
03/14/06	4,672	1,560,068	203	-	-	-	-	-	-	-	-	-	-	-	
03/21/06	6,793	1,562,189	303	-	-	-	-	-	-	-	-	-	-	-	
03/28/06	8,214	1,563,610	203	-	-	-	-	-	-	-	-	-	-	-	
04/04/06	12,513	1,567,909	614	<5.6	<0.32	<0.1	<0.24	<0.3	2,580	15	5.0	<0.24	193	341	
04/11/06	15,720	1,571,116	458	-	-	-	-	-	-	-	-	-	-	-	
04/18/06	21,010	1,576,406	756	System was turned off for QWS					-	-	-	-	-	-	
04/21/06	21,030	1,576,426	7	Restarted system					-	-	-	-	-	-	
04/25/06	22,410	1,577,806	345	-	-	-	-	-	-	-	-	-	-	-	
04/26/06	23,010	1,578,406	600	Turned off system for carbon change					-	-	-	-	-	-	
05/02/06	23,030	1,578,426	3	Restarted after carbon change					-	-	-	-	-	-	
05/09/06	27,710	1,583,106	669	-	-	-	-	-	-	-	-	-	-	-	
05/17/06	28,900	1,584,296	149	-	-	-	-	-	-	-	-	-	-	-	
05/23/06	31,430	1,586,826	422	<5.6	<0.32	<0.1	<0.24	<0.3	1,020,000	3,330	111,000	7,440	38,400	<630	
05/31/06	37,710	1,593,106	785	-	-	-	-	-	-	-	-	-	-	-	
06/09/06	39,890	1,595,286	242	-	-	-	-	-	71,000	520	16,300	820	6,840	-	
06/13/06	40,460	1,595,856	143	-	-	-	-	-	-	-	-	-	-	-	
06/21/06	41,240	1,596,636	98	-	-	-	-	-	-	-	-	-	-	-	
06/27/06	42,360	1,597,756	187	-	-	-	-	-	-	-	-	-	-	-	
07/11/06	46,380	1,601,776	287	<5.6	<0.32	<0.10	<0.24	<0.30	8070	18	385	73	1530	40	
07/18/06	47,270	1,602,666	127	System was turned off for QWS					-	-	-	-	-	-	
07/25/06	47,280	1,602,676	1	Restarted system					-	-	-	-	-	-	
08/01/06	47,860	1,603,256	83	-	-	-	-	-	-	-	-	-	-	-	
08/18/06	50,000	1,605,396	126	-	-	-	-	-	-	-	-	-	-	-	
08/22/06	50,060	1,605,456	15	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum. Discharge (gallons)	Flow (gal/day)	OUTLET / EFFLUENT (ug/L)					INLET / INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
08/29/06	50,940	1,606,336	126	-	-	-	-	-	-	-	-	-	-	-
09/06/06	51,360	1,606,756	53	-	-	-	-	-	-	-	-	-	-	-
09/12/06	53,150	1,608,546	298	-	-	-	-	-	-	-	-	-	-	-
09/14/06	53,730	1,609,126	290	System was turned off for groundwater well sampling					-	-	-	-	-	-
09/19/06	53,940	1,609,336	42	Restarted system					53,600	59	3,630	4,510	7,400	96
09/27/06	54,160	1,609,556	28	-	-	-	-	-	-	-	-	-	-	-
10/04/06	54,370	1,609,766	30	<5.6	<0.32	<0.10	<0.24	<0.30	573	14	34	44	97	230
10/13/06	56,380	1,611,776	223	-	-	-	-	-	-	-	-	-	-	-
10/17/06	56,780	1,612,176	100	System was turned off for groundwater well sampling					-	-	-	-	-	-
10/27/06	56,780	1,612,176	-	Restarted system					-	-	-	-	-	-
10/31/06	57,010	1,612,406	35	-	-	-	-	-	-	-	-	-	-	-
11/07/06	58,720	1,614,116	244	-	-	-	-	-	-	-	-	-	-	-
11/16/06	59,010	1,614,406	32	-	-	-	-	-	-	-	-	-	-	-
11/22/06	59,100	1,614,496	15	-	-	-	-	-	-	-	-	-	-	-
11/30/06	61,302	1,616,698	275	-	-	-	-	-	-	-	-	-	-	-
12/06/06	61,860	1,617,256	93	-	-	-	-	-	-	-	-	-	-	-
12/13/06	61,930	1,617,326	10	System was shut down for maintenance					-	-	-	-	-	-
01/03/07	61,930	1,617,326	-	Restarted system					-	-	-	-	-	-
01/05/07	62,140	1,617,536	105	-	-	-	-	-	-	-	-	-	-	-
01/09/07	62,870	1,618,266	183	-	-	-	-	-	-	-	-	-	-	-
01/16/07	63,140	1,618,536	39	<5.6	<0.17	<0.22	<0.14	<0.38	144,000	<64.0	12,100	4,650	28,300	<126.0
01/25/07	63,740	1,619,136	67	Restarted system (shut down on 1/16/07 for groundwater sampling.)					-	-	-	-	-	-
01/30/07	64,140	1,619,536	80	-	-	-	-	-	-	-	-	-	-	-
02/02/07	64,530	1,619,926	130	Shut down for carbon change-out					-	-	-	-	-	-
02/09/07	64,540	1,619,936	1	Restarted after carbon change-out					-	-	-	-	-	-
02/13/07	64,920	1,620,316	95	-	-	-	-	-	-	-	-	-	-	-
02/19/07	65,213	1,620,609	49	-	-	-	-	-	-	-	-	-	-	-
02/28/07	65,730	1,621,126	57	-	-	-	-	-	-	-	-	-	-	-
03/08/07	66,370	1,621,766	80	-	-	-	-	-	-	-	-	-	-	-
03/13/07	67,240	1,622,636	174	-	-	-	-	-	-	-	-	-	-	-
03/20/07	68,410	1,623,806	167	-	-	-	-	-	-	-	-	-	-	-
03/27/07	68,630	1,624,026	31	-	-	-	-	-	-	-	-	-	-	-
04/03/07	68,900	1,624,296	39	-	-	-	-	-	-	-	-	-	-	-
04/10/07	69,780	1,625,176	126	<5.6	<0.17	<0.22	<0.14	<0.38	4,390	30	514	45 J	595	51
04/13/07	69,940	1,625,336	53	System was turned off for groundwater well sampling					-	-	-	-	-	-

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)						
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE	
04/20/07	69,940	1,625,336	-	Restarted system					-	-	-	-	-	-	-
04/26/07	70,130	1,625,526	32	-	-	-	-	-	-	-	-	-	-	-	-
05/02/07	-	-	-	-	<0.7	<0.67	<0.65	<1.3	Outlet sampling results from EBMUD (sample collected by EBMUD inspector)						
05/02/07	71,300	1,626,696	195	<5.6	<0.17	<0.22	<0.14	<0.38	Split-sample results during EBMUD inspection & sampling						
05/08/07	71,630	1,627,026	55	-	-	-	-	-	-	-	-	-	-	-	-
05/17/07	72,710	1,628,106	120	-	-	-	-	-	-	-	-	-	-	-	-
05/24/07	73,120	1,628,516	59	-	-	-	-	-	-	-	-	-	-	-	-
06/01/07	75,340	1,630,736	278	-	-	-	-	-	-	-	-	-	-	-	-
06/14/07	76,840	1,632,236	115	-	-	-	-	-	-	-	-	-	-	-	-
06/19/07	77,234	1,632,630	79	-	-	-	-	-	-	-	-	-	-	-	-
06/21/07	77,289	1,632,685	28	-	-	-	-	-	416,000	3,330	49,400	7,250	39,700	<19	-
06/28/07	77,690	1,633,086	57	-	-	-	-	-	-	-	-	-	-	-	-
07/03/07	80,230	1,635,626	508	-	-	-	-	-	-	-	-	-	-	-	-
07/10/07	86,310	1,641,706	869	-	-	-	-	-	-	-	-	-	-	-	-
07/17/07	87,620	1,643,016	187	System was turned off for groundwater well sampling					-	-	-	-	-	-	-
07/20/07	87,620	1,643,016	-	Restarted system					-	-	-	-	-	-	-
07/24/07	87,930	1,643,326	78	-	-	-	-	-	-	-	-	-	-	-	-
07/31/07	88,260	1,643,656	47	-	-	-	-	-	-	-	-	-	-	-	-
08/07/07	88,930	1,644,326	96	-	-	-	-	-	-	-	-	-	-	-	-
08/14/07	89,620	1,645,016	99	-	-	-	-	-	-	-	-	-	-	-	-
08/21/07	91,200	1,646,596	226	54	<0.15	<0.12	<0.09	<0.26	-	-	-	-	-	-	-
08/30/07	92,300	1,647,696	122	-	-	-	-	-	-	-	-	-	-	-	-
09/05/07	92,720	1,648,116	70	Shut down for carbon change-out					-	-	-	-	-	-	-
09/11/07	92,720	1,648,116	-	-	-	-	-	-	-	-	-	-	-	-	-
09/17/07	92,760	1,648,156	7	Restart system after carbon change-out					-	-	-	-	-	-	-
09/24/07	100,590	1,655,986	1,119	-	-	-	-	-	-	-	-	-	-	-	-
10/02/07	109,100	1,664,496	1,064	-	-	-	-	-	-	-	-	-	-	-	-
10/10/07	118,640	1,674,036	1,193	-	-	-	-	-	-	-	-	-	-	-	-
10/16/07	124,630	1,680,026	998	Shut down for QWS					-	-	-	-	-	-	-
10/19/07	124,690	1,680,086	20	Restart system after QWS					-	-	-	-	-	-	-
10/23/07	124,860	1,680,256	43	-	-	-	-	-	-	-	-	-	-	-	-
10/30/07	127,680	1,683,076	403	-	-	-	-	-	-	-	-	-	-	-	-
11/20/07	139,850	1,695,246	580	<5.6	<0.15	<0.12	<0.09	<0.26	251	<0.18	<0.24	1.8 J	6.1	138	-
11/30/07	154,320	1,709,716	1,447	-	-	-	-	-	-	-	-	-	-	-	-
12/04/07	154,400	1,709,796	20	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 049, OAKLAND, CA

Date	Totalizer (gallons)	Total/Cum Discharge (gallons)	Flow (gal/day)	OUTLET/EFFLUENT (ug/L)					INLET/INFLUENT (ug/L)					
				TPH-g	B	T	E	X	TPH-g	B	T	E	X	MTBE
12/14/07	164,210	1,719,606	981	-	-	-	-	-	12,400	302	2,170	853	5,090	<1.9
12/21/07	167,300	1,722,696	441	-	-	-	-	-	-	-	-	-	-	-

WD PERMIT LIMITS:	NE	5.0	5.0	5.0	5.0
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Note:

< = less than laboratory detection level indicated

- = no sample / not analyzed

NE = Permit Limit not established

Total Hydrocarbons Removed = From 4/8/91 to 2/10/92, the influent TPHg is assumed to be 47,000 (3/9/92)

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.

TPH is analyzed by EPA Method 8015 M

BTEX is analyzed by EPA Method 8021 or 8260

*MTBE by 8021/8260

APPENDIX A



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 196138 ✓

REPORTED 08/29/2007

RECEIVED 08/22/2007

PROJECT Station #049 ✓
3400 San Pablo Ave., Oakland

SUBMITTER Client

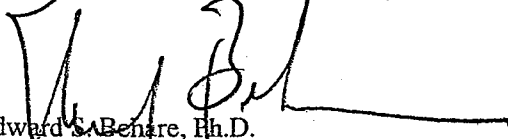
COMMENTS

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.

<u>Order No.</u>	<u>Client Sample Identification</u>
826282	TOC#049 Int. 1
826283	TOC#049 Int. 2
826284	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. Benare, 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 #: 826282

Client Sample ID: TOC#049 Int. 1

Matrix: WATER

Date Sampled: 08/21/2007 Time Sampled: 11:20

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

Benzene	ND	1	1	0.18	ug/L	08/24/07 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	08/24/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	08/24/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	08/24/07 RP
Methyl-tert-butylether (MTBE)	4.9	1	1	0.19	ug/L	08/24/07 RP
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	08/24/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	08/24/07 RP
Toluene	1.2	J 1	5	0.24	ug/L	08/24/07 RP
Xylenes, total	9.6	1	5	0.45	ug/L	08/24/07 RP

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	100	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	122	%	70 - 130
Surr3 - Toluene-d8	94	%	70 - 130
Surr4 - p-Bromofluorobenzene	98	%	70 - 130

8015B - Gasoline

Gasoline	83	1	50	5.6	ug/L	08/24/07 LT
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	119	%	55 - 200

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



Order #: 826283

Client Sample ID: TOC#049 Int. 2

Matrix: WATER

Date Sampled: 08/21/2007 Time Sampled: 11:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	08/26/07 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	08/26/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	08/26/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	08/26/07 RP
Methyl-tert-butylether (MTBE)	42	1	1	0.19	ug/L	08/26/07 RP
Tert-amylmethylether (TAME)	2.6	1	1.0	0.19	ug/L	08/26/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	08/26/07 RP
Toluene	13	1	5	0.24	ug/L	08/26/07 RP
Xylenes, total	118	1	5	0.45	ug/L	08/26/07 RP
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	105			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 130	
Surr3 - Toluene-d8	102			%	70 - 130	
Surr4 - p-Bromofluorobenzene	107			%	70 - 130	
8015B - Gasoline						
Gasoline	620	1	50	5.6	ug/L	08/24/07 LT
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	132			%	55 - 200	

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



Order #: 826284

Client: 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	0.18 ug/L	08/24/07 RP
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L	08/24/07 RP
Ethyl benzene	ND	1	5	0.21 ug/L	08/24/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23 ug/L	08/24/07 RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	08/24/07 RP
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L	08/24/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	08/24/07 RP
Toluene	ND	1	5	0.24 ug/L	08/24/07 RP
Xylenes, total	ND	1	5	0.45 ug/L	08/24/07 RP

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	93			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 130
Surr3 - Toluene-d8	94			%	70 - 130
Surr4 - p-Bromofluorobenzene	93			%	70 - 130

8015B - Gasoline

Gasoline	ND	1	50	5.6 ug/L	08/23/07 LT
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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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: August 23, 2007

Analysis Date 8/23/07-8/24/07

Lab ID#'s in Batch: LR 195920, 195887, 196138, 196059, 196060, 196156.

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	432	448	86	90	4

* Outside QC Limits

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	109
LCS	177
LCSD	178

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: MS/MSD Water Sample 196060-943

Date Prepared: August 23, 2007

Date Analyzed: August 24, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 196150, 196060, 196081, 196138, 195857

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	59.50	58.60	119	117	2	22	59 - 172
MTBE	0.00	50.0	57.90	56.60	116	113	2	24	62 - 137
Benzene	0.00	50.0	45.00	44.30	90	89	2	24	62 - 137
Trichloroethene	0.00	50.0	47.70	46.70	95	93	2	21	66 - 142
Toluene	0.00	50.0	44.80	43.90	90	88	2	21	59 - 139
Chlorobenzene	0.00	50.0	46.60	45.50	93	91	2	21	60 - 133

Sample ID: LCS

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	52.40	105	59 - 172
MTBE	50.0	43.00	86	62 - 137
Benzene	50.0	43.70	87	62 - 137
Trichloroethene	50.0	47.40	95	66 - 142
Toluene	50.0	47.00	94	59 - 139
Chlorobenzene	50.0	46.10	92	60 - 133

*=Outside QC limits due to high concentration in sample

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	84	93	95	91	83	70 - 135
1,2-Dichloroethane-d4	109	114	120	114	110	70 - 135
Toluene-d8	96	94	95	93	95	70 - 135
p-Bromofluorobenzene	94	93	100	101	104	70 - 135

ASSOCIATED LABORATORIE

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *MS/MSD Water Sample* 196223-751

Date Prepared: August 24, 2007

Date Analyzed: August 26, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 195750, 195857, 195862, 196060, 196138, 196059, 196182, 196223, 196116, 196263

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	55.50	57.50	111	115	4	22	59 - 172
MTBE*	141.00	50.0	233.00	240.00	184	198	3	24	62 - 137
Benzene	39.90	50.0	80.60	81.80	81	84	1	24	62 - 137
Trichloroethene	0.00	50.0	45.90	50.50	92	101	10	21	66 - 142
Toluene	4.70	50.0	49.60	52.90	90	96	6	21	59 - 139
Chlorobenzene	0.00	50.0	44.70	45.30	89	91	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.50	99	59 - 172
MTBE	50.0	35.40	71	62 - 137
Benzene	50.0	44.40	89	62 - 137
Trichloroethene	50.0	44.30	89	66 - 142
Toluene	50.0	45.80	92	59 - 139
Chlorobenzene	50.0	44.10	88	60 - 133

*=Outside QC limits due to high concentration in sample

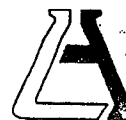
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	104	108	106	110	102	70 - 135
1,2-Dichloroethane-d4	111	115	118	122	107	70 - 135
Toluene-d8	103	106	100	104	104	70 - 135
p-Bromofluorobenzene	98	99	92	102	96	70 - 135

Chain of Custody Record

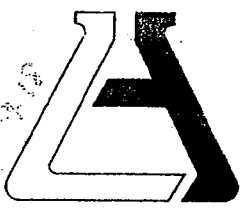
806 North Batavia • Orange, CA 92868
 Phone: (714) 771-6900 • Fax: (714) 588-1209



196138

Company THRIFTY OIL CO Phone 562/921-8581							A.L. Job No.		Page 1 of 1				
Project Manager JEFF BUDYAKOSUMIA Fax 562(921-7510)							Analysis Requested			Test Instructions & Comments			
Project Name SYSTEM WATER SAMPLING Project # 049													
Site Name and Address 3600 SAN PABLO AVE OAKLAND, CA 94612							TPH (2015M) RSTEX (2021B) OXYGENATED		ANALYSIS REQUIRED FOR COMPOUNDS USED IN CA. GASOLINE BY EPA METHOD 8260B 1-TERTIARY BUTYL 2-M.T.B.F. 3-D.I.P.E. 4-E.P.B.F. 5-T.A.M.F.				
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.							
1	INT. 1	08-21-07	11:20	H2O	4-VDA	HCL					X	X	X
2	INT. 2	08-21-07	11:30	H2O	4-VDA	HCL					X	X	X
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: E.M.C. 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	Properly Cooled Y/N/NA	Custody Seals Y/N/NA	Samples Intact Y/N/NA	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:	
Received in Good Condition Y/N	Samples Accepted Y/N	Date: 08.21.07	Time: 15:30	Printed Name: JEFF BUDYAKOSUMIA	Printed Name:	Printed Name:	Printed Name:	Printed Name:	
Turn Around Time				Received By: G.S.O. 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name: Jeff Hwysik	Printed Name:	Printed Name:	Printed Name:	
				Date:	Date: 8/22	Date:	Date:	Date:	
				Time:	Time: 1015	Time:	Time:	Time:	



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 196139 ✓

REPORTED 08/30/2007

RECEIVED 08/22/2007

PROJECT Station #049 ✓
3400 San Pablo Ave., Oakland

SUBMITTER Client

COMMENTS

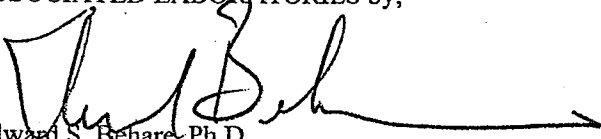
This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.
826285
826286

↓
Client Sample Identification
TOC# 049 Outlet PSP 1
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 #: 826285

Client Sample ID: TOC# 049 Outlet PSP 1

Matrix: WATER

Date Sampled: 08/21/2007 Time Sampled: 11:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX						
Benzene	ND	1	0.3	0.15	ug/L	08/24/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	08/24/07 LT
Toluene	ND	1	0.3	0.12	ug/L	08/24/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	08/24/07 LT
Surrogates					Units	Control Limits
Trifluorotoluene (sur)	117				%	55 - 155
8015B - Gasoline						
Gasoline	54	1	50	5.6	ug/L	08/24/07 LT
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	117				%	55 - 200

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



Order #: 826286
Matrix: WATER

Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX						
Benzene	ND	1	0.3	0.15	ug/L	08/23/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	08/23/07 LT
Toluene	ND	1	0.3	0.12	ug/L	08/23/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	08/23/07 LT
Surrogates					Units	Control Limits
Trifluorotoluene (sur)	109				%	55 - 155
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	08/23/07 LT
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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: August 23, 2007

Analysis Date 8/23/07-8/24/07

Lab ID#'s in Batch: LR 195920 , 195887 , 196138 , 196139, 196059 , 196060 , 196156 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	432	448	86	90	4

* Outside QC Limits

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	109
LCS	177
LCSD	178

AAA-TFT = a,a,a-Trifluorotoluene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: Aug 23-07
 Analysis Date: 8/23/07-8/24/07
 Lab ID#'s in Batch: LR 196139 , 195920 , 196224 .

REPORTING UNITS = $\mu\text{g/L}$

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix LCS	Matrix LCSD	%Rec LCS	%Rec LCSD	RPD
Benzene	8021	ND	20	21.5	20.7	108	104	4
Toluene	8021	ND	20	21.6	20.7	108	104	4
Ethylbenzene	8021	ND	20	22.5	22.2	113	111	1
Xylenes	8021	ND	60	73.0	70.2	122	117	4

ND = Not Detected

RPD = Relative Percent Difference of Matrix LCS and Matrix LCSD

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

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	109
LCS	124
LCSD	123

AAA-TFT = a,a,a-Trifluorotoluene

Chain of Custody Record

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



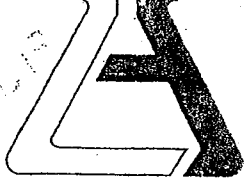
196139

Page 1 of 1

Company THRIFTY OIL CO.		Phone (562) 921-3581		A.L. Job No.	
Project Manager		Fax (562) 921-7510		Analysis Requested	
Project Name SYSTEM WATER SAMPLING		Project # 049			
Site Name and Address 3400 SAN PABLO AVE OAKLAND CA 94612				Test Instructions & Comments	

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHQ (2015M)	BTEX (2021B)											
1		08-21-07	11:00	H2O	4-VOR	HCL	X	X											GRAB SAMPLE
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: EMC 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers		Properly Cooled Y / N / NA		Signature: <i>[Signature]</i>		Signature:		Signature:	
Custody Seals Y / N / NA		Samples Intact Y / N / NA		Printed Name: JEFFREY P.		Printed Name:		Printed Name:	
Received in Good Condition Y / N		Samples Accepted Y / N		Date: 08.21.07 Time: 15:30		Date: Time:		Date: Time:	
Turn Around Time				Received By: G.S.O. 1.		Received By: ASL 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal		<input type="checkbox"/> Rush		Signature:		Signature: <i>[Signature]</i>		Signature:	
<input type="checkbox"/> Same Day		<input type="checkbox"/> 48 hrs.		Printed Name:		Printed Name: Joe Huns		Printed Name:	
<input type="checkbox"/> 24 hrs.		<input type="checkbox"/> 72 hrs.		Date: Time:		Date: 8/22 Time: 10:15		Date: Time:	



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 192560 ✓

REPORTED 07/02/2007

RECEIVED 06/22/2007

PROJECT Station #049 ✓
 3400 San Pablo 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.

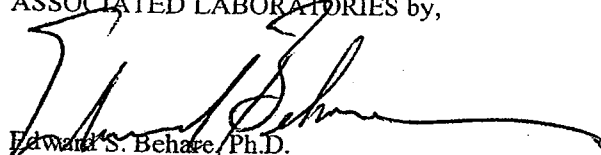
809163
 809164
 809165
 809166

✓
Client Sample Identification

TOC #049 Int-1
 TOC #049 Int-2
 TOC #049 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 #: 809163
 Matrix: WATER

Client Sample ID: TOC #049 Int-1
 Date Sampled: 06/21/2007 Time Sampled: 13:00

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

Benzene	ND	1	1	0.18	ug/L	06/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.20	ug/L	06/28/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	06/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.23	ug/L	06/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/28/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.19	ug/L	06/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	06/28/07 RP
Toluene	ND	1	5	0.24	ug/L	06/28/07 RP
Xylenes, total	ND	1	5	0.45	ug/L	06/28/07 RP

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	112			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	114			%	70 - 130
Surr3 - Toluene-d8	98			%	70 - 130
Surr4 - p-Bromofluorobenzene	91			%	70 - 130

8015B - Gasoline

Gasoline	ND	1	50	5.6	ug/L	06/27/07 LT
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	100			%	55 - 200

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



Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	543	100	100.0	0.18	ug/L	07/05/07 RP
Di-isopropyl ether (DIPE)	ND	10	10.0	0.20	ug/L	06/28/07 RP
Ethyl benzene	1570	100	500.0	0.21	ug/L	07/05/07 RP
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.23	ug/L	06/28/07 RP
Methyl-tert-butylether (MTBE)	52	10	10.0	0.19	ug/L	06/28/07 RP
Tert-amylmethylether (TAME)	ND	10	10.0	0.19	ug/L	06/28/07 RP
Tertiary butyl alcohol (TBA)	ND	10	100.0	10	ug/L	06/28/07 RP
Toluene	11300	100	500.0	0.24	ug/L	07/05/07 RP
Xylenes, total	7230	100	500.0	0.45	ug/L	07/05/07 RP

Surrogates		Units	Control Limits
Surr1 - Dibromofluoromethane	104	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	111	%	70 - 130
Surr3 - Toluene-d8	102	%	70 - 130
Surr4 - p-Bromofluorobenzene	93	%	70 - 130

8015B - Gasoline

Gasoline	49800	40	2000.0	5.6	ug/L	07/05/07 LT
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Surrogates		Units	Control Limits
a,a,a-Trifluorotoluene	110	%	55 - 200

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



Order #: 809165
Matrix: WATER

Client sample ID: TOC #049 Inlet
Date Sampled: 06/21/2007 Time Sampled: 13:20

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

Benzene	3330	100	100.0	0.18	ug/L	06/28/07 RP
Di-isopropyl ether (DIPE)	ND	100	100.0	0.20	ug/L	06/28/07 RP
Ethyl benzene	7250	100	500.0	0.21	ug/L	06/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	100	100.0	0.23	ug/L	06/28/07 RP
Methyl-tert-butylether (MTBE)	ND	100	100.0	0.19	ug/L	06/28/07 RP
Tert-amylmethylether (TAME)	ND	100	100.0	0.19	ug/L	06/28/07 RP
Tertiary butyl alcohol (TBA)	ND	100	1000.0	10	ug/L	06/28/07 RP
Toluene	49400	200	1000.0	0.24	ug/L	06/29/07 RP
Xylenes, total	39700	100	500.0	0.45	ug/L	06/28/07 RP

Surrogates

					Units	Control Limits
Surr1 - Dibromofluoromethane	109				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	111				%	70 - 130
Surr3 - Toluene-d8	102				%	70 - 130
Surr4 - p-Bromofluorobenzene	92				%	70 - 130

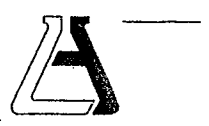
8015B - Gasoline

Gasoline	416000	100	5000.0	5.6	ug/L	06/27/07 LT
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Surrogates

a,a,a-Trifluorotoluene	100				%	55 - 200
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PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace



Order #: 809166

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	0.18 ug/L	06/28/07	RP
Di-isopropyl ether (DIPE)	ND	1	1	0.20 ug/L	06/28/07	RP
Ethyl benzene	ND	1	5	0.21 ug/L	06/28/07	RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.23 ug/L	06/28/07	RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	06/28/07	RP
Tert-amylmethylether (TAME)	ND	1	1	0.19 ug/L	06/28/07	RP
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	06/28/07	RP
Toluene	ND	1	5	0.24 ug/L	06/28/07	RP
Xylenes, total	ND	1	5	0.45 ug/L	06/28/07	RP

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	111			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	111			%	70 - 130
Surr3 - Toluene-d8	101			%	70 - 130
Surr4 - p-Bromofluorobenzene	95			%	70 - 130

8015B - Gasoline

Gasoline	ND	1	50	5.6 ug/L	06/26/07	LT
----------	----	---	----	----------	----------	----

Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	121			%	55 - 200

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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G15-LCS&LCSD

Matrix: WATER

Prep. Date: June 26, 2007

Analysis Date 6/26/07-6/27/07

Lab ID#'s in Batch: 192650 , 192679 , 192560 , 192690 , 192661 , 192680 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = $\mu\text{g/L}$

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	576	571	115	114	1

ND = Not Detected

LCS Result = Lab Control Sample Result

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

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

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	121
LCS	200
LCSD	195

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 GCMS # 4

Sample ID: *LCS / LCSD Water Sample*

Date Prepared: June 29, 2007

Date Analyzed: June 29, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 192807, 192560

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	53.10	56.80	106	114	7	22	59 - 172
MTBE	50.0	44.20	49.70	88	99	12	24	62 - 137
Benzene	50.0	43.80	50.20	88	100	14	24	62 - 137
Trichloroethene	50.0	43.30	46.50	87	93	7	21	66 - 142
Toluene	50.0	43.70	45.30	87	91	4	21	59 - 139
Chlorobenzene	50.0	40.50	43.70	81	87	8	21	60 - 133

Surrogate Recovery

Compound	MB1 % Rec	MB 2 % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	107		104	108	70 - 135
1,2-Dichloroethane-d4	107		106	116	70 - 135
Toluene-d8	99		101	99	70 - 135
p-Bromofluorobenzene	94		91	90	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *MS/MSD Water Sample* 192560-163

Date Prepared: June 28, 2007

Date Analyzed: June 28, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 192816, 192560, 192708, 192807, 192743

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	56.20	60.10	112	120	7	22	59 - 172
MTBE	0.00	50.0	52.20	48.10	104	96	8	24	62 - 137
Benzene	0.00	50.0	51.10	51.80	102	104	1	24	62 - 137
Trichloroethene	0.00	50.0	48.90	52.70	98	105	7	21	66 - 142
Toluene	0.00	50.0	48.30	50.90	97	102	5	21	59 - 139
Chlorobenzene	0.00	50.0	47.00	47.40	94	95	1	21	60 - 133

Sample ID: *LCS*

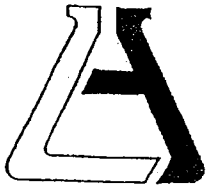
Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	62.10	124	59 - 172
MTBE	50.0	53.50	107	62 - 137
Benzene	50.0	49.60	99	62 - 137
Trichloroethene	50.0	51.90	104	66 - 142
Toluene	50.0	49.70	99	59 - 139
Chlorobenzene	50.0	45.50	91	60 - 133

*=Outside QC limits due to high concentration in sample

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

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	111	112	109	119	113	70 - 135
1,2-Dichloroethane-d4	111	116	116	118	113	70 - 135
Toluene-d8	101	101	101	102	102	70 - 135
p-Bromofluorobenzene	95	96	88	89	95	70 - 135



ASSOCIATED LABORATORIES

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

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Thrift Project: _____
 Date Received: 6-22-07
 Sample(s) received in cooler: Yes No (Skip Section 2)

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

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

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

Section 4
 Explanations/Comments

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

Completed By: M. Seavel Date: 6-22-07

Chain of Custody Record



192560 ✓

Company	THIRTY OIL CO.	Phone	(562) 922-3581	A.L. Job No.	192560 ✓	Page	1 of 1
Project Manager	JEFF JURYACUSUM	Fax	(562) 922-7510	Analysis Requested		Test Instructions & Comments	
Project Name	SYSTEM WATER SAMPLING	Project #	049 ✓	TPH (8015M)			
Site Name and Address	3400 SUT PARK AVE OAKLAND, CA 94612			METEX (8260B)			
				OXYGENATED			

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH (8015M)	METEX (8260B)	OXYGENATED											
1	INT-1	06.21.07	13:00	H ₂ O	4-VOA	HCL	X	X	X											
2	INT-2	06.21.07	13:10	H ₂ O	4-VOA	HCL	X	X	X											
3	INLET	06.21.07	13:20	H ₂ O	4-VOA	HCL	X	X	X											
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

ANALYSIS REQUIRED FOR COMPOUNDS OPEN TO CA GAS OR AIR BY EPA METHOD 8260B
 1-TERTIARY BUTANOL
 2-MTBE
 3-DIPA
 4-RTBA
 5-TAMP

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler	1. EMC	Relinquished by	2.	Relinquished by	3.
Total Number of Containers		Properly Cooled Y/N/NA		Signature:	[Signature]	Signature:		Signature:	
Custody Seals Y/N/NA		Samples Intact Y/N/NA		Printed Name:	JEFF JURYACUSUM	Printed Name:		Printed Name:	
Received in Good Condition Y/N		Samples Accepted Y/N		Date:	06.21.07	Time:	16:00	Date:	
Turn Around Time				Received By:	1. G.S.O.	Received By:	2.	Received By:	3.
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	[Signature]	Signature:		Signature:	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	[Name]	Printed Name:		Printed Name:	
				Date:	6/22/07	Time:	9:40	Date:	



ASSOCIATED LABORATORIES

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

1-82471

DEC 04 2007

ENVIRONMENTAL

JS
ST

LAB REQUEST 201558

REPORTED 12/03/2007

RECEIVED 11/21/2007

CLIENT Thrifty Oil Company (8871)

ATTN: Jeff Suryakusuma

13116 Imperial Hwy.

P.O. Box 2128

Santa Fe Springs, CA 90670

PROJECT Station #049
3400 San Pablo 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.

850544

850545


Client Sample Identification

TOC #049 Outlet PSP1

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. Denare, 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
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Environmental

619

Order #: 850544

Client Sample ID TOC #049 Outlet PSP1

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 13:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX						
Benzene	ND	1	0.3	0.15	ug/L	11/28/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/28/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/28/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/28/07 LT
Surrogates					Units	Control Limits
Trifluorotoluene (sur)	80				%	55 - 155
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	11/28/07 LT
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	80				%	55 - 200

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



Order #: 850545

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX						
Benzene	ND	1	0.3	0.15	ug/L	11/28/07 LT
Ethyl benzene	ND	1	0.3	0.09	ug/L	11/28/07 LT
Toluene	ND	1	0.3	0.12	ug/L	11/28/07 LT
Xylene (total)	ND	1	0.6	0.26	ug/L	11/28/07 LT
Surrogates					Units	Control Limits
Trifluorotoluene (sur)	80				%	55 - 155
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	11/28/07 LT
Surrogates					Units	Control Limits
a,a,a-Trifluorotoluene	80				%	55 - 200

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



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G1-LCS&LCSD
 Matrix: WATER
 Prep. Date: November 28, 2007
 Analysis Date: 11/28/07-11/29/07

Lab ID#'s in Batch: 201556 , 201558 , 201560 , 201722 , 201554 , 201540 , 201694 , 201710 , 201562 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	451	449	90	90	0

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	80
LCS	176
LCSD	171

AAA-TFT = a,a,a-Trifluorotoluene

**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: LCS/LCSD
 Matrix: WATER
 Prep. Date: Nov 28-07
 Analysis Date: 11/28/07-11/29/07
 Lab ID#'s in Batch: 201542, 201556, 201558, 201560.

REPORTING UNITS = µg/L

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix LCS	Matrix LCSD	%Rec LCS	%Rec LCSD	RPD
Benzene	8021	ND	20	16.7	16.8	84	84	1
Toluene	8021	ND	20	16.8	16.8	84	84	0
Ethylbenzene	8021	ND	20	16.6	16.7	83	84	1
Xylenes	8021	ND	60	52.0	51.1	87	85	2

ND - Not Detected

RPD - Relative Percent Difference of Matrix LCS and Matrix LCSD

%REC-LCS & LCSD - Percent Recovery of LCS & LCSD

%REC LIMITS - 70 - 130
RPD LIMITS - 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	80
LCS	88
LCSD	89

AAA-TFT = a,a,a-Trifluorotoluene



Chain of Custody Record

201558

Company THIRTY OIL CO.		Phone (562) 921-3581		A.L. Job No. 201558		
Project Manager YEFF SURU AKUSUMA		Fax (562) 921-7510		Project # 049		
Project Name SYSTEM WATER SAMPLING		Analysis Requested		Test Instructions & Comments		
Site Name and Address 3400 SAN PABLO AVE OAKLAND, CA. 94612		TRAY (6015M)		BTEX (902L)		
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1		11.20.07	13:00	H ₂ O	4-VOA	HCL
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

PORAB SAMPLER

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	Properly Cooled Y/N/NA	Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Custody Seals Y/N/NA	Samples Intact Y/N/NA	Printed Name: JEFF SURU AKUSUMA		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
Received in Good Condition Y/N	Samples Accepted Y/N	Date: 11.20.07	Time: 16:00	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>
Turn Around Time				Received By: 1.		Received By: 2.		Received By: 3.	
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>		Printed Name: <i>[Signature]</i>	
				Date: 11/21	Time: 10:20	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>	Date: <i>[Signature]</i>	Time: <i>[Signature]</i>



ASSOCIATED LABORATORIES

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

1-82478
RECEIVED

DEC 05 2007 ^{JS} ST
SS#049
ENVIRONMENTAL
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 201557

REPORTED 12/04/2007

RECEIVED 11/21/2007

PROJECT Station #049
3400 San Pablo 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.

<u>Order No.</u>	<u>Client Sample Identification</u>
850534	TOC #049 Int-1
850535	TOC #049 Int-2
850536	TOC #049 Int-3
850537	TOC #049 Inlet
850538	TOC #049 MW-4R
850539	TOC #049 MW-2R
850540	TOC #049 RW-1R
850541	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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10/15

Order #: 850534

Matrix: WATER

Client Sample ID: TOC #049 Int-1

Date Sampled: 11/20/2007 Time Sampled: 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbutylether (MTBE)	ND	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	ND	1	5	0.45	ug/L	11/27/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	95				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	109				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	11/29/07 LT
Surrogates						
a,a,a-Trifluorotoluene	109				Units	Control Limits
					%	55 - 200

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



Order #: 850535

Matrix: WATER

Client Sample ID: TOC #049 Int-2

Date Sampled: 11/20/2007 Time Sampled: 13:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18 ug/L		11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29 ug/L		11/27/07 RP
Ethyl benzene	ND	1	5	0.21 ug/L		11/27/07 RP
Ethyl-tertbuylether (ETBE)	ND	1	1	0.17 ug/L		11/27/07 RP
Methyl-tertbuylether (MTBE)	ND	1	1	0.18 ug/L		11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28 ug/L		11/27/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L		11/27/07 RP
Toluene	ND	1	5	0.24 ug/L		11/27/07 RP
Xylenes, total	ND	1	5	0.45 ug/L		11/27/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	94				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	101				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	110				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6 ug/L		11/29/07 LT
Surrogates						
a,a,a-Trifluorotoluene	105				Units	Control Limits
					%	55 - 200

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



Order #: 850536

Client Sample ID: TOC #049 Int-3

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 13:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbutylether (MTBE)	71	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	6.5	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	54	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	2.6	J 1	5	0.45	ug/L	11/27/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	97				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	110				%	70 - 130
8015B - Gasoline						
Gasoline	103	1	50	5.6	ug/L	11/29/07 LT
Surrogates						
a,a,a-Trifluorotoluene	123				Units	Control Limits
					%	55 - 200

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



Order #: 850537
 Matrix: WATER

Client Sample ID: TOC #049 Inlet
 Date Sampled: 11/20/2007 Time Sampled: 13:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	11/29/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/29/07 RP
Ethyl benzene	1.8	J 1	5	0.21	ug/L	11/29/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/29/07 RP
Methyl-tertbutylether (MTBE)	138	1	1	0.18	ug/L	11/29/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/29/07 RP
Tertiary butyl alcohol (TBA)	80	1	10	10	ug/L	11/29/07 RP
Toluene	ND	1	5	0.24	ug/L	11/29/07 RP
Xylenes, total	6.1	1	5	0.45	ug/L	11/29/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	104				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015B - Gasoline						
Gasoline	251	1	50	5.6	ug/L	11/29/07 LT
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	156				%	55 - 200

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



Order #: 850538

Client Sample ID: TOC #049 MW-4R

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 13:50

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

Benzene	1.2	1	1	0.18	ug/L	11/29/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/29/07 RP
Ethyl benzene	9.6	1	5	0.21	ug/L	11/29/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/29/07 RP
Methyl-tertbutylether (MTBE)	78	1	1	0.18	ug/L	11/29/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/29/07 RP
Tertiary butyl alcohol (TBA)	38	1	10	10	ug/L	11/29/07 RP
Toluene	ND	1	5	0.24	ug/L	11/29/07 RP
Xylenes, total	25	1	5	0.45	ug/L	11/29/07 RP

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	103	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103	%	70 - 130
Surr3 - Toluene-d8	102	%	70 - 130
Surr4 - p-Bromofluorobenzene	104	%	70 - 130

8015B - Gasoline

Gasoline	894	1	50	5.6	ug/L	11/29/07 LT
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	143	%	55 - 200

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



Order #: 850539

Client Sample ID: TOC #049 MW-2R

Matrix: WATER

Date Sampled: 11/20/2007 Time Sampled: 14:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	10	10.0	0.18	ug/L	11/28/07 RP
Di-isopropyl ether (DIPE)	ND	10	10.0	0.29	ug/L	11/28/07 RP
Ethyl benzene	ND	10	50.0	0.21	ug/L	11/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.17	ug/L	11/28/07 RP
Methyl-tertbutylether (MTBE)	285	10	10.0	0.18	ug/L	11/28/07 RP
Tert-amylmethylether (TAME)	22	10	10.0	0.28	ug/L	11/28/07 RP
Tertiary butyl alcohol (TBA)	126	10	100.0	10	ug/L	11/28/07 RP
Toluene	ND	10	50.0	0.24	ug/L	11/28/07 RP
Xylenes, total	ND	10	50.0	0.45	ug/L	11/28/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	97				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015B - Gasoline						
Gasoline	249	1	50	5.6	ug/L	11/29/07 LT
Surrogates						
a,a,a-Trifluorotoluene	182				Units	Control Limits
					%	55 - 200

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



Order #: 850540
 Matrix: WATER

Client Sample ID: TOC #049 RW-1R
 Date Sampled: 11/20/2007 Time Sampled: 14:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	11/29/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/29/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	11/29/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/29/07 RP
Methyl-tertbutylether (MTBE)	58	1	1	0.18	ug/L	11/29/07 RP
Tert-amylmethylether (TAME)	2.6	1	1	0.28	ug/L	11/29/07 RP
Tertiary butyl alcohol (TBA)	79	1	10	10	ug/L	11/29/07 RP
Toluene	ND	1	5	0.24	ug/L	11/29/07 RP
Xylenes, total	ND	1	5	0.45	ug/L	11/29/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	101				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015B - Gasoline						
Gasoline	59	1	50	5.6	ug/L	11/29/07 LT
Surrogates						
a,a,a-Trifluorotoluene	108				Units	Control Limits
					%	55 - 200

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



Order #: 850541

Client Sample ID. Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	11/27/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	11/27/07 RP
Ethyl benzene	ND	1	5	0.21	ug/L	11/27/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	11/27/07 RP
Methyl-tertbutylether (MTBE)	ND	1	1	0.18	ug/L	11/27/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	11/27/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	11/27/07 RP
Toluene	ND	1	5	0.24	ug/L	11/27/07 RP
Xylenes, total	ND	1	5	0.45	ug/L	11/27/07 RP
Surrogates						
Surr1 - Dibromofluoromethane	95				Units	Control Limits
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 130
Surr3 - Toluene-d8	99				%	70 - 130
Surr4 - p-Bromofluorobenzene	112				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	11/28/07 LT
Surrogates						
a,a,a-Trifluorotoluene	84				Units	Control Limits
					%	55 - 200

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



Chain of Custody Record

ASSOCIATED LABORATORIES

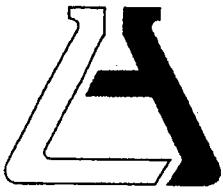
806 North Batavia • Orange, CA 92868

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



Company: THRIFTY OIL CO		Phone: (562) 921-3581		A.L. Job No. 201567		Page 1 of 1	
Project Manager: JEFF SURYAKUSUMA		Fax: (562) 921-7510		Project #: 049		Analysis Requested	
Project Name: SYSTEM WATER SAMPLING		Site Name and Address: 3400 SAN DABLO AVE OAKLAND CA 94612				Test Instructions & Comments	
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	
1 INT-1		11-20-07	13:10	H ₂ O	4-VOL	HCL	TPTH (1015M) BTEX (1021B) TOXLY GASE HMTA
2 INT-2			13:20				
3 INT-3			13:30				
4 INT-4			13:40				
5 MW-4R			13:50				
6 MW-2R			14:00				
7 RW-1R			14:10				
8							ANALYSIS REQUIRED FOR OXYGENATED COMPOUNDS USED IN GA. GASOLINE BY EPA METHOD 8260B 1-TERTIARY BUTHOL 2-MTBA 3-DPPA 4-ETBA 5-TAME
9							
10							
11							
12							
13							
14							
15							

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: E.M.C. 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	Property Cooled Y/N/NA	Custody Seals Y/N/NA	Samples Intact Y/N/NA	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Received in Good Condition Y/N	Samples Accepted Y/N	Date: 11-20-07	Time: 16:00	Printed Name: Shirley D.	Date:	Time:	Date:	Time:	Date:
Turn Around Time				Received By: G.S.O. 1.	Received By: 2.		Received By: 3.		
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
				Date:	Date:	Date:	Date:	Date:	Date:



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 203527

REPORTED 01/03/2008

RECEIVED 12/19/2007

PROJECT Station #049
3400 San Pablo Ave., Oakland

SUBMITTER Client

COMMENTS

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

Order No.


Client Sample Identification

858809
858810
858811
858812
858813

TOC#049 INT-1
TOC#049 INT-2
TOC#049 INT-3
TOC#049 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. Behar, 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 #: 858809

Client Sample ID: TOC#049 INT-1

Matrix: WATER

Date Sampled: 12/14/2007 Time Sampled: 10:00

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

Benzene	ND	1	1	0.18	ug/L	12/26/07 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	12/26/07 YL
Ethyl benzene	ND	1	5	0.21	ug/L	12/26/07 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	12/26/07 YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	12/26/07 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	12/26/07 YL
Tertiary butyl alcohol (TBA)	33	1	10	10	ug/L	12/26/07 YL
Toluene	ND	1	5	0.24	ug/L	12/26/07 YL
Xylenes, total	ND	1	5	0.45	ug/L	12/26/07 YL

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	105	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103	%	70 - 130
Surr3 - Toluene-d8	98	%	70 - 130
Surr4 - p-Bromofluorobenzene	106	%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	5.6	ug/L	12/27/07 LD
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	63	%	55 - 200

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



Order #: 858810

Client Sample ID: TOC#049 INT-2

Matrix: WATER

Date Sampled: 12/14/2007 Time Sampled: 10:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	ND	1	1	0.18	ug/L	12/26/07 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	12/26/07 YL
Ethyl benzene	ND	1	5	0.21	ug/L	12/26/07 YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23	ug/L	12/26/07 YL
Methyl-tert-butylether (MTBE)	9.0	1	1	0.19	ug/L	12/26/07 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	12/26/07 YL
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	12/26/07 YL
Toluene	ND	1	5	0.24	ug/L	12/26/07 YL
Xylenes, total	ND	1	5	0.45	ug/L	12/26/07 YL
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	106				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 130
Surr3 - Toluene-d8	97				%	70 - 130
Surr4 - p-Bromofluorobenzene	104				%	70 - 130
8015M - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	12/27/07 LD
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	62				%	55 - 200

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

ND = Not detected below indicated MDL, J=Trace



Order #: 858811

Client Sample ID: TOC#049 INT-3

Matrix: WATER

Date Sampled: 12/14/2007 Time Sampled: 10:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE Only						
Benzene	55	1	1	0.18	ug/L	12/26/07 YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20	ug/L	12/26/07 YL
Ethyl benzene	31	1	5	0.21	ug/L	12/26/07 YL
Ethyl-tertbuylether (ETBE)	ND	1	1.0	0.23	ug/L	12/26/07 YL
Methyl-tert-butylether (MTBE)	7.0	1	1	0.19	ug/L	12/26/07 YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19	ug/L	12/26/07 YL
Tertiary butyl alcohol (TBA)	108	1	10	10	ug/L	12/26/07 YL
Toluene	232	1	5	0.24	ug/L	12/26/07 YL
Xylenes, total	155	1	5	0.45	ug/L	12/26/07 YL
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	104			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	98			%	70 - 130	
Surr3 - Toluene-d8	92			%	70 - 130	
Surr4 - p-Bromofluorobenzene	103			%	70 - 130	
8015M - Gasoline						
Gasoline	1120	1	50	5.6	ug/L	12/27/07 LD
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	65			%	55 - 200	

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



Order #: 858812

Client Sample ID: TOC#049 INLET

Matrix: WATER

Date Sampled: 12/14/2007 Time Sampled: 10:30

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

Benzene	302	10	10.0	0.18 ug/L	12/26/07 YL
Di-isopropyl ether (DIPE)	ND	10	10.0	0.20 ug/L	12/26/07 YL
Ethyl benzene	853	10	50.0	0.21 ug/L	12/26/07 YL
Ethyl-tertbutylether (ETBE)	ND	10	10.0	0.23 ug/L	12/26/07 YL
Methyl-tert-butylether (MTBE)	ND	10	10.0	0.19 ug/L	12/26/07 YL
Tert-amylmethylether (TAME)	ND	10	10.0	0.19 ug/L	12/26/07 YL
Tertiary butyl alcohol (TBA)	97	J 10	100.0	10 ug/L	12/26/07 YL
Toluene	2170	10	50.0	0.24 ug/L	12/26/07 YL
Xylenes, total	5090	10	50.0	0.45 ug/L	12/26/07 YL

Surrogates

				Units	Control Limits
Surr1 - Dibromofluoromethane	106			%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	102			%	70 - 130
Surr3 - Toluene-d8	92			%	70 - 130
Surr4 - p-Bromofluorobenzene	100			%	70 - 130

8015M - Gasoline

Gasoline	12400	5	250.0	5.6 ug/L	12/29/07 LD
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Surrogates

				Units	Control Limits
a,a,a-Trifluorotoluene	132			%	55 - 200

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



Order #: 858813

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	0.18 ug/L	12/26/07	YL
Di-isopropyl ether (DIPE)	ND	1	1.0	0.20 ug/L	12/26/07	YL
Ethyl benzene	ND	1	5	0.21 ug/L	12/26/07	YL
Ethyl-tertbutylether (ETBE)	ND	1	1.0	0.23 ug/L	12/26/07	YL
Methyl-tert-butylether (MTBE)	ND	1	1	0.19 ug/L	12/26/07	YL
Tert-amylmethylether (TAME)	ND	1	1.0	0.19 ug/L	12/26/07	YL
Tertiary butyl alcohol (TBA)	ND	1	10	10 ug/L	12/26/07	YL
Toluene	ND	1	5	0.24 ug/L	12/26/07	YL
Xylenes, total	ND	1	5	0.45 ug/L	12/26/07	YL

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	108	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	120	%	70 - 130
Surr3 - Toluene-d8	95	%	70 - 130
Surr4 - p-Bromofluorobenzene	107	%	70 - 130

8015M - Gasoline

Gasoline	ND	1	50	5.6 ug/L	12/27/07	LD
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	95	%	55 - 200

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

ASSOCIATED LABORATORIES Analytical Results Report

Lab Request 203527 results, page 5 of 5



Chain of Custody Record

ASSOCIATED LABORATORIES

806 North Batavia • Orange, CA 92868

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



Company: THIRTY OIL CO.		Phone: 562/421-3581		A.L. Job No. 203527		Page 1 of 1							
Project Manager: JEFF SURYAKUSUMA		Fax: 562/421-7510		Analysis Requested				Test Instructions & Comments					
Project Name: SYSTEM WATER SAMPLE		Project #: 049											
Site Name and Address: 3400 PATH PABLO AVE OAKLAND CA 94612													
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TRIA 8015M	BTEX (2024B)	VOXY CEMENTS				
1 INT-1		12.24.07	10:00	H ₂ O	4-VDA	TEL	X	X	X	ANALYSIS REQUIRED FOR COMPOUNDS USED IN CAR GASOLINE BY EPA METHOD 8260B 1-TERMINAL BUTANOL 2-MTBE 3-ATPA 4-ETPA 5-TAMP			
2 INT-2		↓	10:10	↓	↓	↓	X	X	X				
3 INT-3		↓	10:20	↓	↓	↓	X	X	X				
4 INT-4		↓	10:30	↓	↓	↓	X	X	X				
5							X	X	X				
6										<div style="font-size: 4em; opacity: 0.5;">X</div>			
7													
8													
9													
10													
11													
12													
13													
14													
15													

Sample Receipt - To Be Filled By Laboratory				Relinquished by					
Total Number of Containers	Properly Cooled Y/N/NA	Samples Intact Y/N/NA	Samples Accepted Y/N	1. Sampler: EMC.	2. Relinquished by	3. Relinquished by			
Custody Seals Y/N/NA				Signature: <i>[Signature]</i>	Signature:	Signature:			
Received in Good Condition Y/N				Printed Name: SPURVUT P	Printed Name:	Printed Name:			
Turn Around Time				Date: 12.18.07	Time: 16:00	Date: _____ Time: _____			
<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.				Received By: G.S.O.	1.	Received By: ASL	2.	Received By:	3.
				Signature:		Signature: <i>[Signature]</i>		Signature:	
				Printed Name:		Printed Name: DR Augustin		Printed Name:	
				Date:	Time:	Date: 12/19	Time: 1200	Date:	Time: