

THRIFTY OIL CO.

March 25, 2009

RECEIVED

O-95318

2:49 pm, Mar 26, 2009

Alameda County
Environmental Health

Local #RO0000005
RWQCB #01-1479

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

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

Subject: Request to Reduce Groundwater Sampling Frequency in Selected Monitoring Wells

Dear Mr. Plunkett:

This letter is written as a request to reduce the groundwater sampling frequency for several monitoring wells displaying non-detectable to trace hydrocarbon concentrations, at the above-referenced Thrifty Oil Co. (Thrifty) site in Oakland, California (**Figure 1**). The purpose of this request is to reduce costs and energy expenditure, so that more resources are available for higher priority tasks such as site remediation.

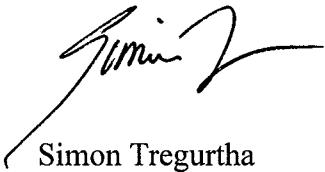
It is proposed that wells MW-1, MW-5 and MW-8 be reduced from a quarterly to a semi-annual sampling schedule and well MW-6 be reduced from quarterly to an annual sampling schedule. Hydrocarbon constituent concentrations in these wells have either been non-detectable or trace concentrations for at least the last seven quarterly sampling events. The current and historical groundwater sampling and gauging data is summarized in the **Summary Table, Table 1, and Table 2**; the sampling results of the wells proposed to be sampled on a semi-annual or annual basis are shaded in the tables. The fourth quarter 2008 groundwater elevation map and TPHg, benzene, MTBE, and TBA distributions in groundwater are presented in **Figures 2, 3, 4, 5, and 6**, respectively. As shown in these figures, all four of these wells are upgradient or cross-gradient from the remaining core of the dissolved hydrocarbon plume, and thus concentrations in these wells are not expected to significantly change (as demonstrated by data from the past seven sampling events). Adequate control of the dissolved hydrocarbon plume configuration is therefore expected through semi-annual and annual sampling of these peripheral wells, and quarterly monitoring of the remaining wells which display higher dissolved concentrations. By implementing these sampling reduction measures, a cost savings of approximately \$1,168 per year is estimated for this site.



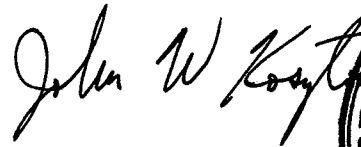
13116 Imperial Highway, Santa Fe Springs, CA 90670-0138 • (562) 921-3581

Thrifty will implement the modified sampling schedule for this site upon approval from the Alameda County Health Care Services. If you should have any questions or comments regarding this transmittal, please contact Simon Tregurtha (562) 921-3581, Ext. 260, or Chris Panaitescu at Ext. 390.

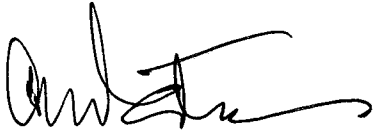
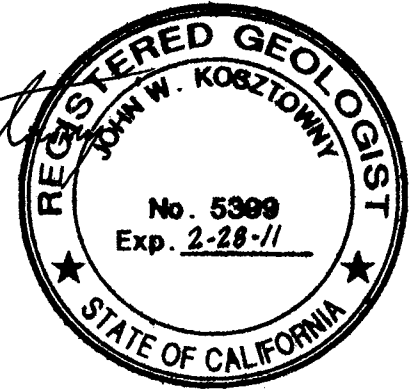
Sincerely,



Simon Tregurtha
Project Manager



John W. Kosztowny
Registered Geologist



Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Ms. Janet J. Wager
File

TABLES

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

WELL	STATUS	Monit/ Sampl. Date	ANALYTICAL PARAMETERS										MONITORING PARAMETERS				ELEVATION		WELL SCREEN (feet)
			TPHg (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)	
MW-1	ACT	01/29/09	<6.6	<0.18	1.3 J	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	14.24	28.94	0.00	148.43	134.19	15 - 30
MW-3	ACT	01/29/09	2,510	81	449	67	448	<1.9	<2.0	<2.3	<1.9	<52	NP	15.40	28.20	0.00	148.94	133.54	15 - 30
MW-4	ACT	01/29/09	184,000	1,620	30,600	5,250	24,000	<4.75	<5.0	<5.75	<4.75	<130	NP	15.15	29.07	0.00	148.88	133.73	9 - 29
MW-4	ACT	02/16/09	42,900	525	5,570	<5.25	7,560	<4.75	<5.0	<5.75	<4.75	<130	NP	11.38	29.09	0.00	148.88	137.50	9 - 29
MW-5	ACT	01/29/09	<6.6	<0.18	1.9 J	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	16.47	26.23	0.00	149.62	133.15	7 - 27
MW-6	ACT	01/29/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.50	26.80	0.00	148.38	135.88	7 - 27
MW-7	ACT	01/29/09	11,100	176	1,360	374	2,380	<1.9	<2.0	<2.3	<1.9	<52	NP	14.51	17.45	0.00	148.20	133.69	8 - 18
MW-8	ACT	01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	<0.20	<0.23	<0.19	<5.2	NP	12.89	18.29	0.00	147.31	134.42	8 - 18

NOTE:

ACT	Groundwater well currently used for monitoring	TPHg	= Total Petroleum Hydrocarbons as gasoline	MTBE	= Methyl-tert-butyl ether	DTP	= Depth To Product	" - "	= Not analyzed / Not available
INACT	Groundwater well is NOT included in monitoring program	TPHd	= Total Petroleum Hydrocarbons as diesel	DIPE	= Isopropyl ether	DTW	= Depth To Water	" < "	= Less than detection level indicated
DRY	Groundwater well is dry and/or cannot be sampled	B	= Benzene	ETBE	= Ethyl-tert-butyl ether	DTB	= Depth To Bottom	" J "	= Flag indicating value
NOACC	Presently no access to groundwater well	T	= Toluene	TAME	= Tert-amyl methyl ether	PT	= Product Thickness		between MDL & PQL
DEST	Well has been properly destroyed, no longer a conduit to subsurf	E	= Ethylbenzene	TBA	= Tertiary butyl alcohol	GW	= Groundwater	NP	= No free product
AB	Groundwater well is abandoned, but not yet destroyed	X	= Total Xylenes						

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

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

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.40	0.00	99.34	89.94
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.65	0.00	99.34	82.69
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	18.19	0.00	99.34	81.15
01/19/06	1,380	58	<0.10	62	113	33	NP	9.37	0.00	99.34	89.97
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
07/26/06	8,850	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
01/24/07	<5.6	<0.32	3.1 J	1.2 J	6.4	<0.63	NP	13.60	0.00	148.43	134.83
04/24/07	3,090	133	3.2 J	114	116	72	NP	15.61	0.00	148.43	132.82
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.67	0.00	148.43	133.76
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.26	0.00	148.43	134.17
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.60	0.00	148.43	132.83
04/29/08	<6.6	<0.18	1.4 J	<0.21	1.4 J	<0.19	NP	16.32	0.00	148.43	132.11
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.04	0.00	148.43	133.39
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.23	0.00	148.43	134.20
01/29/09	<6.6	<0.18	1.3 J	<0.21	<0.45	<0.19	NP	14.24	0.00	148.43	134.19
MONITORING WELL #MW-5 Screen Interval = 7 to 27 feet											
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31
01/22/92	600	21.0	8.0	2.0	17.0	-	-	#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	12.98	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	17.29	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	NP	18.92	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	NP	13.12	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	NP	16.15	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	NP	18.75	0.00	100.98	82.23
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	NP	17.80	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.59	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	NP	18.26	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1.0	-	-	#N/A	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230	-	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	280	1,600	28	550	9,000	-	#N/A	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.20	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.25	0.00	101.98	86.73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	15.96	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	16.33	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.80	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5.0	NP	10.97	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.43	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	14.02	0.00	101.98	87.96

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)	
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)						
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.04	0.00	101.98	87.94	
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18	
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	NP	10.97	0.00	101.98	91.01	
07/16/01	3,360	430	603	53	429	*41 / 4.2	NP	14.80	0.00	101.98	87.18	
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	NP	16.71	0.00	101.98	85.27	
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18	
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.42	0.00	101.98	87.56	
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.78	0.00	101.98	87.20	
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.93	0.00	101.98	86.05	
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	NP	15.55	0.00	101.98	86.43	
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.55	0.00	101.98	86.43	
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.93	0.00	101.98	86.05	
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	16.35	0.00	101.98	85.63	
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.06	0.00	101.98	86.92	
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.96	0.00	101.98	88.02	
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	NP	15.60	0.00	101.98	86.38	
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	NP	16.17	0.00	101.98	85.81	
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	NP	15.52	0.00	101.98	86.46	
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	NP	10.12	0.00	101.98	91.86	
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	NP	16.66	0.00	101.98	85.32	
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	NP	16.66	0.00	101.98	85.32	
01/19/06	66	<0.32	<0.10	<0.24	<0.30	5.9	NP	9.96	0.00	101.98	92.02	
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29	
07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45	
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02	
01/24/07	60	<0.32	16	3.8 J	17	<0.63	NP	14.37	0.00	149.62	135.25	
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.12	0.00	149.62	135.50	
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	17.06	0.00	149.62	132.56	
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.50	0.00	149.62	133.12	
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.16	0.00	149.62	135.46	
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	14.89	0.00	149.62	134.73	
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.96	0.00	149.62	133.66	
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15	
01/29/09	<6.6	<0.18	1.9 J	<0.21	<0.45	<0.19	NP	16.47	0.00	149.62	133.15	
MONITORING WELL #MW-6	Screen Interval = 7 to 27 feet											
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0		NP	12.64	0.00	99.44	86.80	
07/22/91								#N/A				
01/22/92	<200	<0.5	<0.5	<0.5	1.5			#N/A				
03/24/92							NP	10.04	0.00	99.44	89.40	
07/15/92	<200	<0.5	<0.5	<0.5	<0.5		NP	13.29	0.00	99.44	86.15	
10/05/92							NP	14.69	0.00	99.44	84.75	
01/06/93	<200	<0.5	<0.5	<0.5	<1.0		NP	10.87	0.00	99.44	88.57	
07/13/93	<100	<0.5	<0.5	<0.5	<1.0		NP	13.10	0.00	99.44	86.34	
10/11/93	<60	<0.3	<0.3	<0.3	<0.6		NP	14.43	0.00	99.44	85.01	
01/11/94	<50	<0.3	<0.3	<0.3	<0.5		NP	13.56	0.00	99.44	85.88	
04/12/94	<50	<0.3	<0.3	<0.3	<0.3		NP	12.10	0.00	99.44	87.34	
07/14/94	<50	<0.3	<0.3	<0.3	<0.3		NP	14.16	0.00	99.44	85.28	
07/15/95	140	<0.5	<0.5	<0.5	<1			#N/A				
01/15/96	56	0.38	0.33	<0.3	<0.5		NP	14.29	0.00	99.44	85.15	
04/15/96	96	4.5	<0.3	<0.3	0.53		NP	14.32	0.00	99.44	85.12	
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A				

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	#N/A	0.00	99.44	85.24
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5.0	NP	13.60	0.00	100.44	86.84
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5.0	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5.0	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5.0	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5.0	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5.0	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5.0	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
04/24/07	<5.6	<0.18	<0.24	<0.21	1.5 J	5.7	NP	10.63	0.00	148.38	137.75
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.04	0.00	148.38	135.34
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.53	0.00	148.38	135.85
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	10.70	0.00	148.38	137.68
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	11.43	0.00	148.38	136.95
07/30/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.36	0.00	148.38	135.02
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.51	0.00	148.38	135.87
01/29/09	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.50	0.00	148.38	135.88

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

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #MW-8											
<i>Screen Interval = 8 to 18 feet</i>											
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41
04/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.37	0.00	147.31	134.94
07/25/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	13.42	0.00	147.31	133.89
10/24/07	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.93	0.00	147.31	134.38
01/23/08	<5.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.40	0.00	147.31	134.91
04/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	15.73	0.00	147.31	131.58
07/30/08	<6.6	<0.18	1.3 J	<0.21	1.1 J	<0.19	NP	13.50	0.00	147.31	133.81
10/29/08	<6.6	<0.18	<0.24	<0.21	<0.45	<0.19	NP	12.92	0.00	147.31	134.39
01/29/09	<6.6	<0.18	4.8 J	<0.21	1.7 J	<0.19	NP	12.89	0.00	147.31	134.42

NOTE: Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007
 ^ Top of casing elevation estimated to be 6 inches below well rim
 NP = No free hydrocarbon product
 " - " = Not analyzed / Not available
 * MTBE 8020 / 8260

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

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

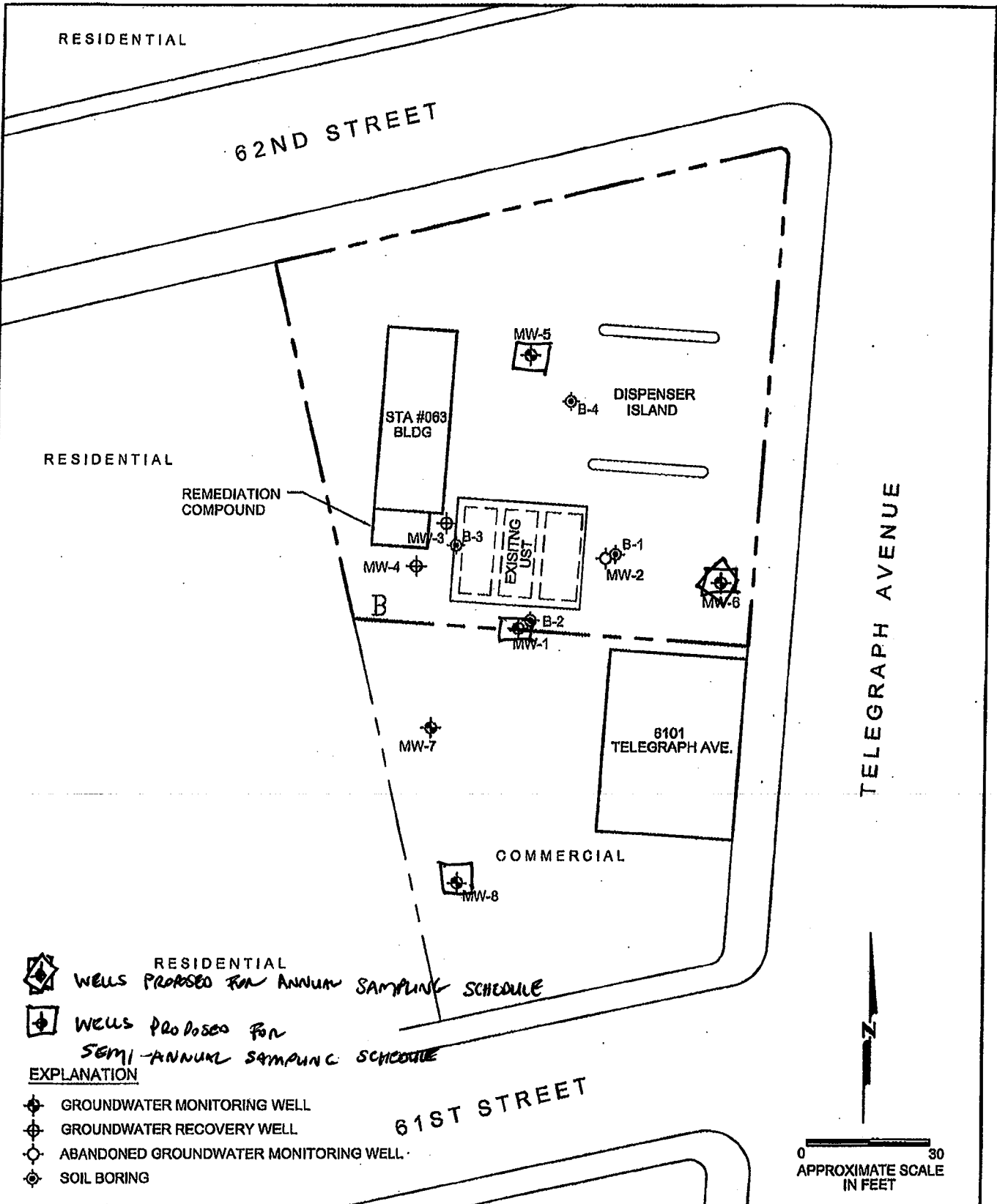
DATE SAMPLED	OXYGENATES					
	Di-Isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethaanol (ETH) (mg/L)	Methanol (METH) (mg/L)
MONITORING WELL # MW-1						
10/16/97	<20	<20	<20	3,900		
01/07/98	<20	<20	92	<500		
04/03/98	<20	<20	65	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	15	487		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	27	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<2.9	<1.7	<2.8	121		
10/25/06	<0.29	<0.17	2.4	11		
01/24/07	<0.29	<0.17	<0.28	<10		
04/24/07	<0.20	<0.23	<0.19	54		
07/25/07	<0.20	<0.23	<0.19	<10		
10/24/07	<0.20	<0.23	<0.19	<10		
01/23/08	<0.20	<0.23	<0.19	<10		
04/29/08	<0.20	<0.23	<0.19	<10		
07/30/08	<0.20	<0.23	<0.19	<5.2		
10/29/08	<0.20	<0.23	<0.19	<5.2		
01/29/09	<0.20	<0.23	<0.19	<5.2		
MONITORING WELL # MW-5						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10		
10/25/06	<0.29	<0.17	<0.28	<10		
01/24/07	<0.29	<0.17	<0.28	<10		
04/24/07	<0.20	<0.23	<0.19	<1.8		
07/25/07	<0.20	<0.23	<0.19	<10		
10/24/07	<0.20	<0.23	<0.19	<10		
01/23/08	<0.20	<0.23	<0.19	<10		
04/29/08	<0.20	<0.23	<0.19	<10		
07/30/08	<0.20	<0.23	<0.19	<5.2		
10/29/08	<0.20	<0.23	<0.19	<5.2		
01/29/09	<0.20	<0.23	<0.19	<5.2		
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20



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





DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
04/24/07	<0.20	<0.23	2.4	<1.8	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-
MONITORING WELL # MW-8						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
04/24/07	<0.20	<0.23	<0.19	<1.8	-	-
10/24/07	<0.20	<0.23	<0.19	<10	-	-
07/25/07	<0.20	<0.23	<0.19	<10	-	-
01/23/08	<0.20	<0.23	<0.19	<10	-	-
04/29/08	<0.20	<0.23	<0.19	<10	-	-
07/30/08	<0.20	<0.23	<0.19	<5.2	-	-
10/29/08	<0.20	<0.23	<0.19	<5.2	-	-
01/29/09	<0.20	<0.23	<0.19	<5.2	-	-

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

FIGURES



 RESIDENTIAL WELLS PROPOSED FOR ANNUAL SAMPLING SCHEDULE
 WELLS PROPOSED FOR SEMI-ANNUAL SAMPLING SCHEDULE
EXPLANATION

-  GROUNDWATER MONITORING WELL
-  GROUNDWATER RECOVERY WELL
-  ABANDONED GROUNDWATER MONITORING WELL
-  SOIL BORING

 0 30
 APPROXIMATE SCALE IN FEET



PROJECT NO.	SITE PLAN	FIGURE: 1
	Thrifty Station No. 063 6125 Telegraph Avenue Oakland, California	SHEET: of
		REVISION NO: 0
		DATE: 03/07

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLOG

133

133.15

DISPENSER
ISLAND

134

133.52

MW-3

MW-4

133.74

134.20

135.87

135

B-1

MW-2

MW-6

6101
TELEGRAPH AVE.

MW-7
133.68

134.39 COMMERCIAL

MW-8

TELEGRAPH AVENUE

RESIDENTIAL

WELLS PROPOSED FOR ANNUAL SAMPLING SCHEDULE

WELLS PROPOSED FOR SEMI-ANNUAL SAMPLING SCHEDULE

EXPLANATION

- ◆ GROUNDWATER MONITORING WELL
- ◆ GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING

61ST STREET

0 30
APPROXIMATE SCALE
IN FEET

FIGURE: 2

Groundwater gauging conducted on 10-29-08
Elevations reported in feet above mean sea-level
* = not used to determine groundwater contour lines

Groundwater Elevation Contour Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

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

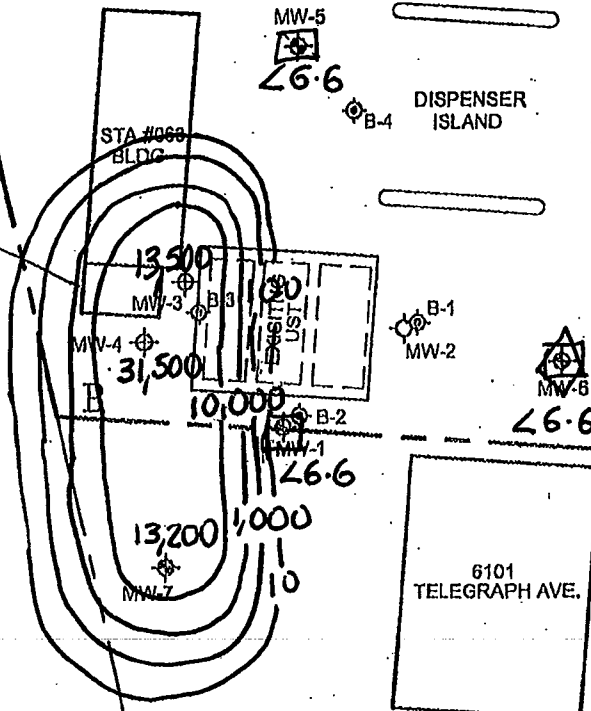
PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND



DISPENSER ISLAND

TELEGRAPH AVENUE

6101 TELEGRAPH AVE.

COMMERCIAL



WELLS PROPOSED FOR ANNUAL SAMPLING SCHEDULE

RESIDENTIAL



WELLS PROPOSED FOR SEMI-ANNUAL SAMPLING SCHEDULE

EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- SOIL BORING

61ST STREET

0 30
APPROXIMATE SCALE
IN FEET

units in µg/L
Samples collected on 10-29-08

TPHg Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:

3

SHEET:

of

REVISION NO:

0

DATE: 03/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
40-18

DISPENSER
ISLAND

84

130

EXISTING
UST

B-1
MW-2

40-18

MW-6

B-2
MW-1

40-18

6101
TELEGRAPH AVE.

COMMERCIAL

MW-8
40-18

61ST STREET

TELEGRAPH AVENUE



WELLS PROPOSED FOR ANNUAL
SAMPLING SCHEDULE

RESIDENTIAL



WELLS PROPOSED FOR SEMI-
ANNUAL SAMPLING SCHEDULE

EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- SOIL BORING

0 30
APPROXIMATE SCALE
IN FEET



units in µg/L
Samples collected on 10-29-08

Benzene Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE: 4

SHEET: of

REVISION NO: 0

DATE: 03/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
20.19
B-4

DISPENSER
ISLAND

28
10
MW-3
21.9
B

EXISTING
UST

MW-4
21.9
B

B-1
MW-2

MW-6
20.19

B-2
MW-1
20.19

6101
TELEGRAPH AVE.

MW-7
20.19

COMMERCIAL

MW-8
20.19

RESIDENTIAL

TELEGRAPH AVENUE



Wells Proposed For Annual
SAMPLING SCHEDULE



Wells Proposed For
Semi-Annual Sampling
Schedule

EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- SOIL BORING

61ST STREET



0 30
APPROXIMATE SCALE
IN FEET

units in µg/L

Samples collected on 10-29-08

MTBE Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:

5

SHEET:

of

REVISION NO:

0

DATE:

03/07

PROJECT NO.

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

MW-5
45.2

B-4

DISPENSER
ISLAND

81

MW-3

B-3

MW-4

45.2

EXISTING
UST

B-1

MW-2

MW-6

45.2

B-2
MW-1
45.2

6101
TELEGRAPH AVE.

MW-7
45.2

COMMERCIAL

MW-8
45.2



Well Proposed For Annual
SAMPLING SCHEDULE

RESIDENTIAL



Wells Proposed For
Semi-Annual Sampling
Schedule

EXPLANATION

- ◆ GROUNDWATER MONITORING WELL
- ⊕ GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- ⊙ SOIL BORING

61ST STREET

TELEGRAPH AVENUE



0 30
APPROXIMATE SCALE
IN FEET

units in µg/L

Samples collected on 10-29-08

TBA Isoconcentration Map

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	6
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO.