



GETTLER-RYAN INC.

TRANSMITTAL

August 14, 2003

G-R #180066

R0231

TO: Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

CC: Mr. David Vossler
Gettler-Ryan Inc.
Petaluma, California

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: **Tosco (Unocal) Service Station
#0752
800 Harrison Street
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	August 13, 2003	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of July 11, 2003

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **August 28, 2003**, this report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94502

Enclosure

trans/0752-DBD



GETTLER - RYAN INC.

August 13, 2003
G-R Job #180066

Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

Alameda County

SEP 9 2003

Environmental Health

RE: Second Semi-Annual Event of July 11, 2003
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

Dear Mr. De Witt:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

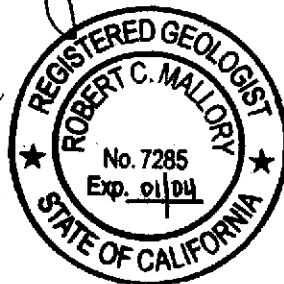
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are summarized in Table 5. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285



- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results - Oxygenate Compounds
- Table 3: Groundwater Analytical Results
- Table 4: Groundwater Analytical Results
- Table 5: Dissolved Oxygen Concentrations
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

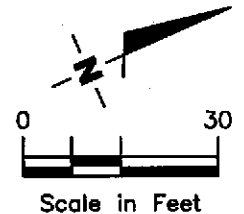
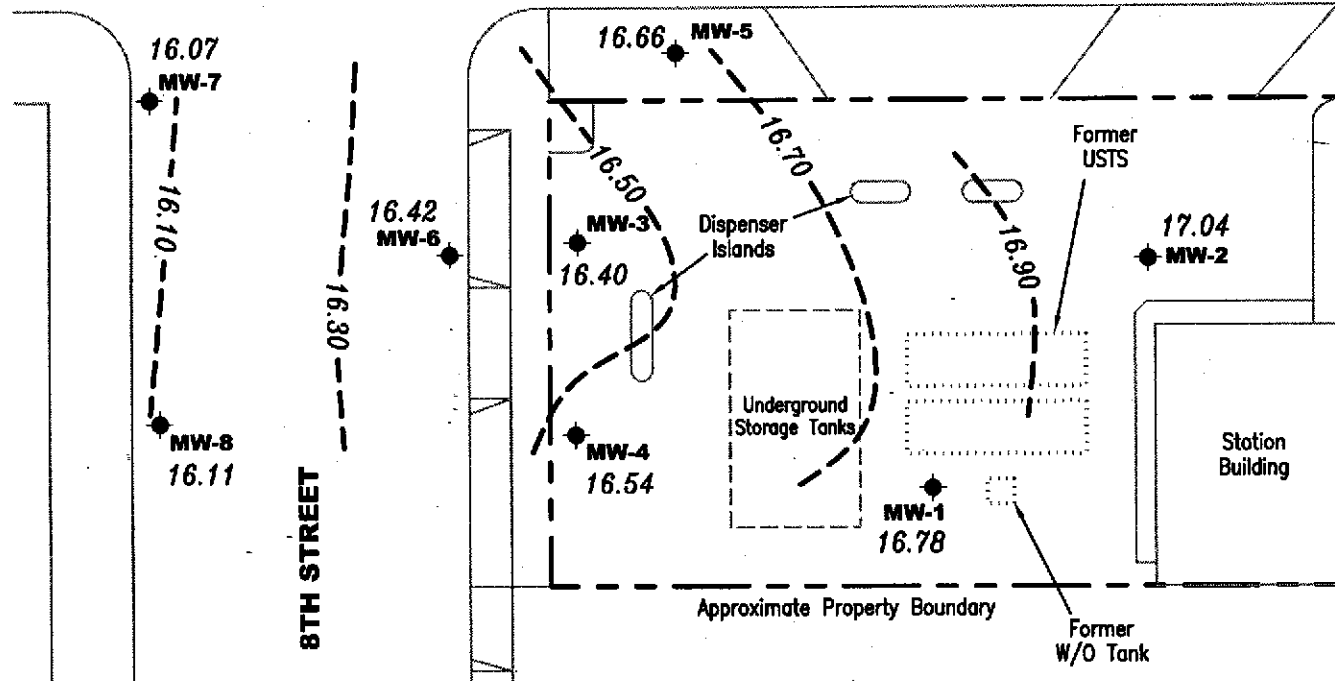
0752.qml

EXPLANATION

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred

←
Approximate groundwater flow direction at a gradient of 0.004 to 0.008 Ft./Ft.

HARRISON STREET



Source: Figure modified from drawing provided by MPDS Services Inc..

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

FIGURE
1

PROJECT NUMBER
180066

REVIEWED BY

DATE
July 11, 2003

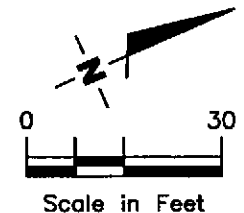
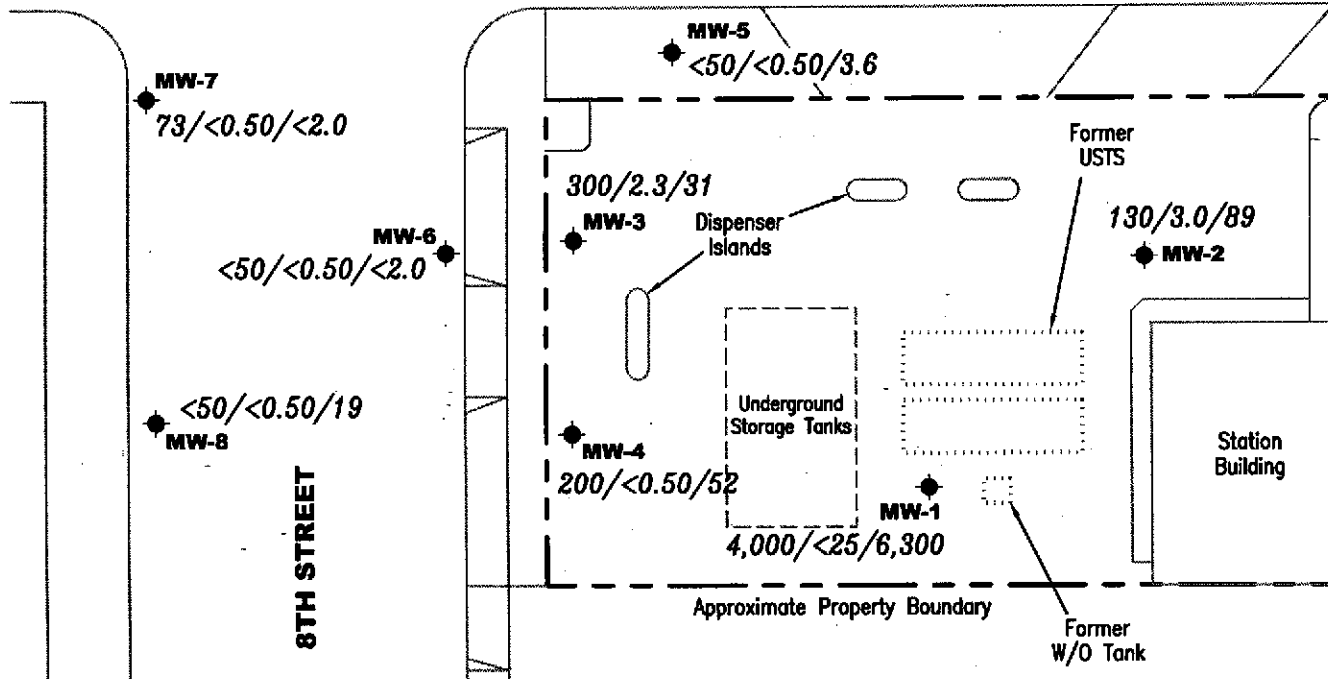
REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb

NOTE: TPH as Gasoline, Benzene, and MTBE analyses by EPA Method 8260

HARRISON STREET



Source: Figure modified from drawing provided by MPDS Services Inc..

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

FIGURE
2

PROJECT NUMBER
 180066

REVIEWED BY

DATE
 July 11, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-1	06/05/91	--	13.5-33.5	--	ND	47	ND	ND	ND	ND	--	7.8	2.9	1.3
	09/30/91	--		--	ND	ND	ND	ND	ND	ND	--	--	--	--
	12/30/91	--		--	ND	ND	ND	ND	ND	ND	--	6.4	2.1	0.9
	04/02/92	--		--	94	ND	ND	ND	ND	ND	--	7.1	2.6	1.4
	06/30/92	--		--	120	ND	ND	ND	ND	ND	--	9.5	2.2	1.3
	09/15/92	--		--	ND	76	1.0	ND	ND	ND	--	12	2.2	1.3
34.94	12/21/92	21.17		13.77	ND	95	0.69	ND	ND	1.0	--	12	1.4	0.83
	04/28/93 ¹	--		--	470 ²	920	3.1	2.3	1.2	9.7	--	12	0.89	0.85
34.69	07/23/93	20.13		14.81	ND	ND	0.5	0.66	ND	ND	--	16	1.3	0.91
	10/05/93	20.30		14.39	57 ³	92 ⁵	1.5	ND	ND	0.72	--	13	1.3	0.66
	01/03/94 ⁶	20.52		14.17	ND	ND	ND	ND	ND	ND	--	18	1.4	0.93
	04/02/94	20.16		14.53	ND	ND	ND	ND	ND	ND	--	15	1.1	0.68
	07/05/94	19.27		15.42	--	250	4.8	13	1.2	7.3	--	--	--	--
	10/06/94	20.87		13.82	--	540	1.4	ND	0.66	11	--	--	--	--
	01/02/95	19.67		15.02	--	140	ND	ND	ND	ND	--	--	--	--
	04/03/95	17.61		17.08	--	580	3.6	0.75	ND	4.0	--	--	--	--
	07/14/95	18.58		16.11	--	260	2.1	ND	ND	1.2	--	--	--	--
	10/10/95	19.60		15.09	--	220	2.0	ND	25	5.6	29	--	--	--
	01/03/96	19.69		15.00	--	190	2.4	ND	0.71	1.2	--	--	--	--
	04/10/96	17.65		17.04	--	540	8.9	1.7	1.5	7.4	50	--	--	--
	07/09/96	18.52		16.17	--	490	3.0	1.4	1.3	2.5	150	--	--	--
	01/24/97	17.72		16.97	--	760	27	0.89	5.2	10	510	--	--	--
	07/23/97	19.42		15.27	--	ND	ND	ND	ND	ND	550	--	--	--
NP	01/26/98	17.46		17.23	--	1,800 ⁸	ND ⁹	ND ⁹	ND ⁹	ND ⁹	4,800	--	--	--
NP	07/03/98	18.61		16.08	--	ND ⁹	ND ⁹	ND ⁹	ND ⁹	ND ⁹	1,800	--	--	--
	01/14/99	18.92		15.77	--	83 ¹⁰	ND	ND	ND	ND	230	--	--	--
	07/15/99	17.84		16.85	--	110	ND	ND	ND	1.0	290	--	--	--
	01/07/00	19.13		15.56	--	ND	ND	ND	ND	ND	260	--	--	--
	07/19/00	20.27		14.42	--	ND	ND	ND	ND	ND	648	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)	
MW-1 (cont)	01/02/01	20.04	13.5-33.5	14.65	--	ND	ND	ND	ND	ND	119	--	--	--	
	05/23/01	18.27		16.42	--	84 ¹²	ND	ND	ND	ND	760	--	--	--	
	07/30/01	18.56		16.13	--	<50	<0.50	<0.50	<0.50	<0.50	350	--	--	--	
	10/15/01	18.72		15.97	--	96 ¹²	<0.50	<0.50	<0.50	<0.50	160	--	--	--	
	01/14/02	16.78		17.91	--	450 ¹⁵	<2.5	<2.5	<2.5	3.3	4,100	--	--	--	
	04/15/02	17.35		17.34	--	<1,000	<10	<10	<10	<10	10,000	--	--	--	
	07/15/02 ¹⁷	17.63		17.06	--	2,100 ¹⁸	<10	<10	<10	<20	2,100	--	--	--	
	01/18/03 ¹⁷	17.04		17.65	--	<25,000	<250	<250	<250	<500	29,000	--	--	--	
	07/11/03 ¹⁷	17.91		16.78	--	4,000 ¹⁸	<25	<25	<25	<50	6,300	--	--	--	
MW-2	06/05/91	--	15-33	--	--	49	ND	ND	ND	ND	--	--	--	--	
	09/30/91	--		--	--	130	18	0.53	14	9.6	--	--	--	--	
	12/30/91	--		--	--	91	16	0.89	11	1.9	--	--	--	--	
	04/02/92	--		--	--	88	12	0.32	6.3	7.2	--	--	--	--	
	06/30/92	--		--	--	76	9.3	0.76	4.8	6.9	--	--	--	--	
	09/15/92	--		--	--	1,300	91	5.7	80	110	--	--	--	--	
	34.97	12/21/92	20.85		14.12	--	960	97	3.2	74	96	--	--	--	--
		04/28/93	--		--	--	1,300	76	1.9	130	87	--	--	--	--
		07/23/93	19.81		15.16	--	66	1.8	ND	2.5	2.0	--	--	--	--
	34.72	10/05/93	19.95		14.77	--	120	12	ND	2.1	12	--	--	--	--
		01/03/94	20.21		14.51	--	260	25	ND	5.5	26	--	--	--	--
		04/02/94	19.88		14.84	--	ND	0.65	ND	ND	0.99	--	--	--	--
		07/05/94	19.07		15.65	--	160	16	ND	0.73	10	--	--	--	--
		10/06/94	20.55		14.17	--	170	15	ND	1.4	11	--	--	--	--
		01/02/95	19.25		15.47	--	190	27	ND	0.95	11	--	--	--	--
		04/03/95	17.49		17.23	--	2,400	65	6.6	19	63	--	--	--	--
		07/14/95	18.30		16.42	--	750	270	ND	ND	13	--	--	--	--
	10/10/95	19.25		15.47	--	50	1.6	ND	ND	ND	200	--	--	--	

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-2	01/03/96	19.40	15-33	15.32	--	ND	ND	ND	ND	ND	--	--	--	--
(cont)	04/10/96	17.35		17.37	--	300	42	ND	2.4	9.0	620	--	--	--
	07/09/96	18.22		16.50	--	760	230	ND	1.3	2.4	1,500	--	--	--
	01/24/97	17.59		17.13	--	2,900	400	350	190	720	1,300	--	--	--
	07/23/97	19.13		15.59	--	ND	ND	ND	ND	ND	65	--	--	--
NP	01/26/98	17.12		17.60	--	ND	ND	ND	ND	0.58	13	--	--	--
NP	07/03/98	18.20		16.52	--	140	26	ND	0.95	5.0	330	--	--	--
	01/14/99	18.56		16.16	--	ND	0.54	ND	ND	ND	350	--	--	--
	07/15/99	17.39		17.33	--	ND	0.88	ND	ND	ND	39	--	--	--
	01/07/00	18.78		15.94	--	ND	ND	ND	ND	ND	24	--	--	--
	07/19/00	19.68		15.04	--	ND	1.45	ND	ND	ND	117	--	--	--
	01/02/01	19.73		14.99	--	ND	ND	ND	ND	ND	11.4	--	--	--
	05/23/01	18.16		16.56	--	ND	ND	ND	ND	ND	33	--	--	--
	07/30/01	18.34		16.38	--	<50	<0.50	<0.50	<0.50	<0.50	67	--	--	--
	10/15/01	18.52		16.20	--	<50	<0.50	<0.50	<0.50	<0.50	31	--	--	--
	01/14/02	16.72		18.00	--	<50	<0.50	<0.50	<0.50	0.56	11	--	--	--
	04/15/02	17.26		17.46	--	<50	<0.50	<0.50	<0.50	<0.50	110	--	--	--
	07/15/02 ¹⁷	17.46		17.26	--	270	21	<0.50	3.8	4.0	73	--	--	--
	01/18/03 ¹⁷	16.93		17.79	--	<50	<0.50	<0.50	<0.50	<1.0	22	--	--	--
	07/11/03 ¹⁷	17.68		17.04	--	130	3.0	<0.50	<0.50	<1.0	89	--	--	--
MW-3	06/05/91	--	15-33	--	--	5,800	1,200	40	140	97	--	--	--	--
	09/30/91	--		--	--	6,800	1,400	130	290	240	--	--	--	--
	12/30/91	--		--	--	7,200	2,100	690	410	550	--	--	--	--
	04/02/92	--		--	--	8,000	1,400	200	300	310	--	--	--	--
	06/30/92	--		--	--	8,900	1,900	210	430	550	--	--	--	--
	09/15/92	--		--	--	10,000	1,900	330	400	580	--	--	--	--
33.39	12/21/92	20.02		13.37	--	8,500	1,500	150	310	330	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-3	04/28/93	--	15-33	--	--	2,600	220	7.6	41	27	--	--	--	--
(cont)	07/23/93	19.00		14.39	--	4,400	660	26	160	82	--	--	--	--
33.14	10/05/93	19.20		13.94	--	9,200	720	88	140	140	--	--	--	--
	01/03/94	19.40		13.74	--	4,900	830	100	170	150	--	--	--	--
	04/02/94	19.01		14.13	--	6,000	800	30	140	110	--	--	--	--
	07/05/94	18.14		15.00	--	25,000 ⁵	ND	ND	ND	ND	--	--	--	--
	10/06/94	19.73		13.41	--	49,000 ⁴	1,300	200	280	300	--	--	--	--
	01/02/95	18.36		14.78	--	480	1.6	ND	1.4	ND	--	--	--	--
	04/03/95	16.38		16.76	--	8,100 ⁵	65	ND	ND	ND	--	--	--	--
	07/14/95	17.49		15.65	--	ND	1,300	ND	ND	ND	--	--	--	--
	10/10/95	18.50		14.64	--	3,100	1,400	36	50	53	190,000	--	--	--
	01/03/96 ⁷	18.54		14.60	--	ND	2,300	110	150	140	--	--	--	--
	04/10/96	16.40		16.74	--	940	38	33	39	47	69,000	--	--	--
	07/09/96	17.43		15.71	--	ND	2,000	ND	150	160	140,000	--	--	--
	01/24/97	16.57		16.57	--	540	8.0	ND	11	9.9	45	--	--	--
	07/23/97	18.38		14.76	--	7,400	1,900	180	140	340	45,000	--	--	--
NP	01/26/98	16.22		16.92	--	250	2.2	1.9	0.87	1.9	4.0	--	--	--
NP	07/03/98	17.46		15.68	--	230	1.8	2.5	1.5	3.4	6.3	--	--	--
	01/14/99	17.73		15.41	--	400 ¹⁰	8.2	2.7	0.90	5.9	140	--	--	--
	07/15/99	16.58		16.56	--	290 ¹⁰	3.3	3.6	1.7	2.5	13	--	--	--
	01/07/00	17.84		15.30	--	ND ⁹	890	91	100	480	20,000	--	--	--
	07/19/00	18.92		14.22	--	354 ¹²	3.87	2.61	0.646	ND	13.7	--	--	--
	01/02/01	19.07		14.07	--	464 ¹²	ND	3.69	3.91	ND	21.1	--	--	--
	05/23/01	17.12		16.02	--	420 ¹¹	7.6	3.1	3.0	5.1	1,900	--	--	--
	07/30/01	17.38		15.76	--	290 ¹²	4.6	4.1	<0.50	3.4	23	--	--	--
	10/15/01	17.61		15.53	--	400 ¹²	<0.50	<0.50	<0.50	<0.50	13	--	--	--
	01/14/02	15.53		17.61	--	130 ¹⁶	0.50	0.61	1.1	<0.50	9.9	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-3	04/15/02	16.12	15-33	17.02	--	280 ¹¹	9.9	1.6	3.3	6.8	1,400	--	--	--
(cont)	07/15/02 ¹⁷	16.48		16.66	--	64	<0.50	<0.50	<0.50	<1.0	33	--	--	--
	01/18/03 ¹⁷	15.81		17.33	--	420	0.54	<0.50	<0.50	<1.0	130	--	--	--
	07/11/03 ¹⁷	16.74		16.40	--	300	2.3	<0.50	<0.50	<1.0	31	--	--	--
MW-4	10/19/92	--	15-33	--	--	480	0.51	2.1	2.8	6.8	--	--	--	--
33.12	12/21/92	19.73		13.39	--	220 ⁴	ND	ND	0.97	0.74	--	--	--	--
	04/28/93	--		--	--	ND	ND	ND	ND	ND	--	--	--	--
	07/23/93	18.72		14.40	--	85 ⁴	ND	ND	ND	ND	--	--	--	--
32.71	10/05/93	18.74		13.97	--	130 ⁵	ND	ND	ND	ND	--	--	--	--
	01/03/94	18.93		13.78	--	210	ND	ND	0.76	1.6	240	9.0	1.0	ND
	04/02/94	18.53		14.18	--	89	ND	ND	ND	ND	--	--	--	--
	07/05/94	17.67		15.04	--	190 ⁵	ND	ND	ND	ND	--	--	--	--
	10/06/94	19.25		13.46	--	170	0.85	ND	ND	0.74	--	--	--	--
	01/02/95	17.75		14.96	--	ND	ND	ND	ND	ND	--	--	--	--
	04/03/95	15.87		16.84	--	98 ⁵	ND	ND	ND	ND	--	--	--	--
	07/14/95	17.01		15.70	--	ND	ND	ND	ND	ND	--	--	--	--
	10/10/95	18.03		14.68	--	ND	ND	ND	ND	ND	120	--	--	--
	01/03/96 ⁷	18.05		14.66	--	ND	ND	ND	ND	ND	--	--	--	--
	04/10/96	16.00		16.71	--	ND	ND	ND	ND	ND	240	--	--	--
	07/09/96	16.96		15.75	--	ND	ND	ND	ND	ND	480	--	--	--
	01/24/97	16.04		16.67	--	ND	ND	ND	ND	ND	270	--	--	--
	07/23/97	17.87		14.84	--	ND	ND	ND	ND	ND	460	--	--	--
NP	01/26/98	16.05		16.66	--	ND	ND	ND	ND	ND	17	--	--	--
NP	07/03/98	16.95		15.76	--	ND	ND	ND	ND	ND	3.8	--	--	--
	01/14/99	17.34		15.37	--	ND	ND	ND	ND	ND	4,600	--	--	--
	07/15/99	16.36		16.35	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/07/00	17.81		14.90	--	ND	ND	ND	ND	ND	450	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-4	07/19/00	18.94	15-33	13.77	--	ND	ND	ND	ND	ND	ND	--	--	--
(cont)	01/02/01	18.85		13.86	--	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	16.82		15.89	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/30/01	16.88		15.83	--	<50	<0.50	<0.50	<0.50	<0.50	4.9	--	--	--
	10/15/01	17.08		15.63	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--
	01/14/02	14.97		17.74	--	<50	<0.50	<0.50	<0.50	<0.50	30	--	--	--
	04/15/02	15.48		17.23	--	<50	<0.50	<0.50	<0.50	<0.50	180	--	--	--
	07/15/02 ¹⁷	15.90		16.81	--	<50	<0.50	<0.50	<0.50	<1.0	50	--	--	--
	01/18/03 ¹⁷	15.39		17.32	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--
	07/11/03 ¹⁷	16.17		16.54	--	200 ¹⁸	<0.50	<0.50	<0.50	<1.0	52	--	--	--
MW-5	10/19/92	--	15-32	--	--	2,700	61	5.0	100	61	--	--	--	--
33.25	12/21/92	19.75		13.50	--	1,700	51	4.7	83	34	--	--	--	--
	04/28/93	--		--	--	6,700	200	190	250	430	--	--	--	--
	07/23/93	18.74		14.51	--	2,000	122	8.0	68	47	--	--	--	--
32.95	10/05/93	18.83		14.12	--	1,700	70	6.2	54	40	--	--	--	--
	01/03/94	19.05		13.90	--	1,500	44	ND	42	46	--	--	--	--
	04/02/94	18.68		14.27	--	1,800	46	5.1	38	35	--	--	--	--
	07/05/94	17.90		15.05	--	2,200	97	8.4	37	36	--	--	--	--
	10/06/94	19.37		13.58	--	1,600	79	5.7	28	22	--	--	--	--
	01/02/95	17.92		15.03	--	1,700	50	8.6	30	28	--	--	--	--
	04/03/95	16.15		16.80	--	5,400 ⁵	190	240	170	420	--	--	--	--
	07/14/95	17.18		15.77	--	3,800	210	100	130	190	--	--	--	--
	10/10/95	18.15		14.80	--	1,300	92	14	15	39	1,100	--	--	--
	01/03/96 ⁷	18.20		14.75	--	630	53	4.4	8.3	13	--	--	--	--
	04/10/96	16.05		16.90	--	500	25	18	7.0	20	640	--	--	--
	07/09/96	17.11		15.84	--	1,000	44	20	10	34	150	--	--	--
	01/24/97	16.36		16.59	--	4,000	190	400	160	430	600	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-5	07/23/97	18.08	15-32	14.87	--	1,700	200	23	18	45	2,500	--	--	--
(cont)	NP 01/26/98	16.27		16.68	--	ND	ND	ND	ND	ND	ND	--	--	--
	NP 07/03/98	17.27		15.68	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/14/99	17.55		15.40	--	330	61	4.1	2.2	2.9	560	--	--	--
	07/15/99	16.41		16.54	--	1,100	170	ND ⁹	ND ⁹	27	660	--	--	--
	01/07/00	17.85		15.10	--	1,000 ¹¹	180	6.3	ND ⁹	14	430	--	--	--
	07/19/00	18.87		14.08	--	2,980 ¹¹	289	57.3	65.3	43.4	976	--	--	--
	10/03/00	18.47		14.48	--	--	--	--	--	--	--/553 ¹³	--	--	--
	01/02/01	19.01		13.94	--	1,150 ¹¹	87.2	17.8	7.97	9.32	368	--	--	--
	05/23/01	17.38		15.57	--	840 ¹¹	42	10	13	7.1	130	--	--	--
	07/30/01	17.12		15.83	--	1,900 ¹²	82	24	6.9	13	370	--	--	--
	10/15/01	17.33		15.62	--	26,000 ¹⁴	390	230	58	1,300	<500	--	--	--
	01/14/02	15.33		17.62	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	04/15/02	15.89		17.06	--	310 ¹¹	20	6.7	11	7.7	77	--	--	--
	07/15/02 ¹⁷	16.21		16.74	--	1,500	40	22	60	28	170	--	--	--
	01/18/03 ¹⁷	15.68		17.27	--	<50	0.75	<0.50	<0.50	<1.0	81	--	--	--
	07/11/03 ¹⁷	16.29		16.66	--	<50	<0.50	<0.50	<0.50	<1.0	3.6	--	--	--
MW-6	10/19/92	--	15-32	--	--	3,900	420	12	60	28	--	--	--	--
32.42	12/21/92	19.17		13.25	--	2,300	370	11	39	15	--	--	--	--
	04/28/93	--		--	--	1,200	54	1.5	11	5.3	--	--	--	--
	07/23/93	18.17		14.25	--	580	19	0.99	3.4	2.7	--	--	--	--
32.16	10/05/93	18.35		13.81	--	1,400	34	ND	5.3	7.3	--	--	--	--
	01/03/94	18.54		13.62	--	1,400	57	ND	8.5	11	--	--	--	--
	04/02/94	18.15		14.01	--	5,300 ⁴	ND	ND	ND	ND	--	--	--	--
	07/05/94	17.25		14.91	--	ND	ND	ND	ND	ND	--	--	--	--
	10/06/94	18.85		13.31	--	11,000 ⁵	ND	ND	ND	ND	--	--	--	--
	01/02/95	17.51		14.65	--	550	18	0.92	2.0	1.8	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-6	04/03/95	15.48	15-32	16.68	--	6,600 ⁵	ND	ND	ND	ND	--	--	--	--
(cont)	07/14/95	16.63		15.53	--	ND	ND	ND	ND	ND	--	--	--	--
	10/10/95	17.68		14.48	--	ND	81	ND	ND	ND	75,000	--	--	--
	01/03/96 ⁷	17.66		14.50	--	70	9.9	0.58	ND	0.81	--	--	--	--
	04/10/96	15.56		16.60	--	300	25	4.7	0.94	2.7	53,000	--	--	--
	07/09/96	16.59		15.57	--	1,800	410	ND	12	ND	76,000	--	--	--
	01/24/97	15.69		16.47	--	ND	0.80	ND	ND	ND	390	--	--	--
	07/23/97	17.53		14.63	--	5,700	1,100	240	240	700	16,000	--	--	--
NP	01/26/98	15.44		16.72	--	ND	ND	ND	ND	ND	ND	--	--	--
NP	07/03/98	16.58		15.58	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/14/99	17.02		15.14	--	ND	ND	ND	ND	ND	14	--	--	--
	07/15/99	15.95		16.21	--	ND	ND	ND	ND	ND	2.8	--	--	--
	01/07/00	16.96		15.20	--	78 ¹¹	24	ND	0.66	17	280	--	--	--
	07/19/00	18.04		14.12	--	ND	ND	1.32	ND	0.974	ND	--	--	--
	01/02/01	18.10		14.06	--	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	16.42		15.74	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/30/01	16.49		15.67	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	10/15/01	16.67		15.49	--	<50	<0.50	0.62	<0.50	<0.50	<5.0	--	--	--
	01/14/02	14.60		17.56	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	04/15/02	15.07		17.09	--	<50	<0.50	<0.50	<0.50	0.73	<5.0	--	--	--
	07/15/02 ¹⁷	15.56		16.60	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--
	01/18/03 ¹⁷	15.80		16.36	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--
	07/11/03 ¹⁷	15.74		16.42	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--
MW-7														
32.49	04/28/93	--	13-33	--	--	110	2.8	1.3	1.4	1.7	--	--	--	--
	07/23/93	18.60		13.89	--	790	23	3.3	28	5.4	--	--	--	--
32.20	10/05/93	18.76		13.44	--	360	10	1.2	0.91	0.99	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro-		
												form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-7	01/03/94	18.91	13-33	13.29	--	ND	0.93	ND	0.75	1.9	--	--	--	--
(cont)	04/02/94	18.50		13.70	--	360	2.0	ND	ND	0.8	--	--	--	--
	07/05/94	17.52		14.68	--	ND	ND	ND	ND	ND	--	--	--	--
	10/06/94	19.25		12.95	--	340	5.6	0.85	ND	1.2	--	--	--	--
	01/02/95	17.67		14.53	--	ND	ND	ND	ND	ND	--	--	--	--
	04/03/95	15.81		16.39	--	570	24	ND	3.4	5.8	--	--	--	--
	07/14/95	17.05		15.15	--	ND	14	ND	ND	ND	--	--	--	--
	10/10/95	18.08		14.12	--	740	170	ND	ND	ND	13,000	--	--	--
	01/03/96 ⁷	18.02		14.18	--	360	16	1.3	2.7	1.4	--	--	--	--
	04/10/96	15.81		16.39	--	120	4.1	1.5	ND	0.88	3,200	--	--	--
	07/09/96	16.99		15.21	--	ND	ND	ND	ND	ND	3,400	--	--	--
	01/24/97	16.08		16.12	--	ND	16	ND	ND	ND	6,600	--	--	--
	07/23/97	17.99		14.21	--	ND	1.5	ND	ND	0.62	10,000	--	--	--
NP	01/26/98	15.56		16.64	--	ND	ND	ND	ND	0.56	ND	--	--	--
NP	07/03/98	17.04		15.16	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/14/99	INACCESSIBLE (PARKED CAR)			--	--	--	--	--	--	--	--	--	--
	07/15/99	15.72		16.48	--	ND	ND	ND	ND	ND	290	--	--	--
	01/07/00	16.80		15.40	--	ND	7.7	ND	ND	4.4	98	--	--	--
	07/19/00	17.88		14.32	--	ND	ND	1.27	ND	0.979	ND	--	--	--
	01/02/01	17.97		14.23	--	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	16.81		15.39	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/30/01	16.79		15.41	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	10/15/01	16.98		15.22	--	<50	<0.50	0.58	<0.50	<0.50	<5.0	--	--	--
	01/14/02	14.85		17.35	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	04/15/02	15.29		16.91	--	<50	<0.50	<0.50	<0.50	0.70	<5.0	--	--	--
	07/15/02 ¹⁷	15.92		16.28	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--
	01/18/03 ¹⁷	15.11		17.09	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--
	07/11/03 ¹⁷	16.13		16.07	--	73 ¹⁸	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-8														
32.33	04/28/93	--	11-29	--	--	450	18	1.8	1.8	1.4	--	--	--	--
	07/23/93	18.45		13.88	--	260	5.1	ND	0.6	ND	--	--	--	--
32.00	10/05/93	18.57		13.43	--	120 ⁵	1.7	ND	ND	ND	--	--	--	--
	01/03/94 ¹	18.73		13.27	--	ND	ND	ND	ND	ND	51	1.5	1.2	ND
	04/02/94	18.30		13.70	--	150	1.2	ND	ND	ND	--	--	--	--
	07/05/94	17.41		14.59	--	730	17	ND	1.6	ND	--	--	--	--
	10/06/94	18.98		13.02	--	140 ⁵	ND	ND	ND	ND	--	--	--	--
	01/02/95	17.58		14.42	--	440	18	0.72	2.0	1.8	--	--	--	--
	04/03/95	15.54		16.46	--	960	11	ND	ND	ND	--	--	--	--
	07/14/95	16.81		15.19	--	280	4.2	2.6	1.1	3.3	--	--	--	--
	10/10/95	17.85		14.15	--	110	1.3	0.62	0.67	ND	170	--	--	--
	01/03/96 ⁷	17.82		14.18	--	63	ND	0.51	ND	1.8	--	--	--	--
	04/10/96	15.70		16.30	--	ND	1.1	0.61	ND	ND	60	--	--	--
	07/09/96	16.78		15.22	--	72	1.0	ND	ND	ND	140	--	--	--
	01/24/97	15.79		16.21	--	ND	ND	ND	ND	ND	76	--	--	--
	07/23/97	17.69		14.31	--	ND	ND	ND	ND	ND	270	--	--	--
NP	01/26/98	15.50		16.50	--	ND	ND	ND	ND	0.76	2.9	--	--	--
NP	07/03/98	16.80		15.20	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/14/99	17.13		14.87	--	ND	ND	ND	ND	ND	11	--	--	--
	07/15/99	15.85		16.15	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/07/00	16.94		15.06	--	ND	ND	ND	ND	ND	11	--	--	--
	07/19/00	18.06		13.94	--	ND	ND	2.99	0.521	ND	ND	--	--	--
	01/02/01	18.12		13.88	--	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	16.96		15.04	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/30/01	16.52		15.48	--	<50	<0.50	<0.50	<0.50	<0.50	2.7	--	--	--
	10/15/01	16.72		15.28	--	<50	<0.50	0.65	<0.50	<0.50	<5.0	--	--	--
	01/14/02	14.53		17.47	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	04/15/02	14.96		17.04	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	Chloro- form** (ppb)	PCE** (ppb)	TCE** (ppb)
MW-8	07/15/02 ¹⁷	15.60	11-29	16.40	--	<50	<0.50	<0.50	<0.50	<1.0	11	--	--	--
(cont)	01/18/03 ¹⁷	14.78		17.22	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--
	07/11/03 ¹⁷	15.89		16.11	--	<50	<0.50	<0.50	<0.50	<1.0	19	--	--	--
Trip Blank														
TB-LB	01/26/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/03/98	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/14/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/15/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/07/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/19/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	01/02/01	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	05/23/01	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
	07/30/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	10/15/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--
	01/14/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
	04/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--
QA	07/15/02 ¹⁷	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	--	--	--
	01/18/03 ¹⁷	--	--	--	--	<50	<0.50	3.1 ¹⁹	<0.50	1.6 ¹⁹	<2.0	--	--	--
	07/11/03 ¹⁷	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--	--

Table I
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 26, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline	TCE = Trichloroethene (ppb) = Parts per billion
DTW = Depth to Water	B = Benzene	ND = Not Detected
GWE = Groundwater Elevation	T = Toluene	-- = Not Measured/Not Analyzed
S.I. = Screen Interval	E = Ethylbenzene	NP = No Purge
(ft.bgs) = Feet Below Ground Surface	X = Xylenes	QA = Quality Assurance/Trip Blank
(msl) = Mean sea level	MTBE = Methyl tertiary butyl ether	
TPH-D = Total Petroleum Hydrocarbons as Diesel	PCE = Tetrachloroethene	

* TOC elevations are relative to msl, per the City of Oakland benchmark disk stamped "25/A" at the northeast corner of 7th and Harrison (Elevation = 28.81 feet, msl). Prior to October 5, 1993, the DTW measurements were taken from the top of well covers.

** All EPA Method 8010 constituents were ND, except as indicated below.

- 1 1,2-Dichloroethane (1,2-DCA) was detected in MW-8 at a concentration of 4.0 ppb on 01/03/94, and 1.1 ppb in MW-1 on 04/28/93.
- 2 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 3 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 4 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 6 A fuel fingerprint analysis was conducted on this sample. Laboratory report indicates total extractable petroleum hydrocarbons in this sample were not detected in high enough concentrations to compare with known standards and approximate their makeup.
- 7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
- 8 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C8.
- 9 Detection limit raised. Refer to analytical reports.
- 10 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.
- 11 Laboratory report indicates gasoline C6-C12.
- 12 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 13 MTBE by EPA Method 8260.
- 14 Laboratory report indicates weathered gasoline C6-C12.
- 15 Laboratory report indicates gasoline C6-C10.
- 16 Laboratory report indicates unidentified hydrocarbons C6-C10.
- 17 TPH-G, BTEX and MTBE by EPA Method 8260.
- 18 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 19 Laboratory confirmed detection of analyte was the result of trip blank vendor contamination, and did not occur in the field or during analysis.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	07/15/02	<25	<5.0	2,100	<1.0	<0.5	<0.5	<0.5	<0.5
	01/18/03	--	--	29,000	--	--	--	--	--
	07/11/03	<25,000	--	6,300	--	--	--	--	--
MW-2	01/18/03	--	--	22	--	--	--	--	--
	07/11/03	<500	--	89	--	--	--	--	--
MW-3	01/18/03	--	--	130	--	--	--	--	--
	07/11/03	<500	--	31	--	--	--	--	--
MW-4	01/18/03	--	--	<2.0	--	--	--	--	--
	07/11/03	<500	--	52	--	--	--	--	--
MW-5	10/03/00	--	ND ¹	553	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	01/18/03	--	--	81	--	--	--	--	--
	07/11/03	<500	--	3.6	--	--	--	--	--
MW-6	01/18/03	--	--	<2.0	--	--	--	--	--
	07/11/03	<500	--	<2.0	--	--	--	--	--
MW-7	01/18/03	--	--	<2.0	--	--	--	--	--
	07/11/03	<500	--	<2.0	--	--	--	--	--

Table 2**Groundwater Analytical Results - Oxygenate Compounds**

Tosco (Unocal) Service Station #0752

800 Harrison Street

Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-8	01/18/03	--	--	<2.0	--	--	--	--	--
	07/11/03	<500	--	19	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(ppb) = Parts per billion
-- = Not Analyzed
ND = Not Detected

¹ Detection limit raised. Refer to analytical reports.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Groundwater Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID	DATE	TOG (ppm)	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
MW-1	06/05/91	ND	ND	0.0083	0.011	0.063	0.023
	09/30/91	ND	ND	0.019	ND	ND	0.11
	12/30/91	ND	ND	0.0078	0.0057	ND	0.046
	04/02/92	ND	ND	0.015	0.016	ND	0.02
	06/30/92	ND	ND	0.079	0.009	0.1	0.087

EXPLANATIONS:

Groundwater laboratory analytical results were compiled from reports prepared by MPDS Services, Inc.

TOG = Total Oil and Grease

(ppm) = Parts per million

ND = Not Detected

Table 4
Groundwater Analytical Results
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID	DATE	BOD (ppm)	Bicarbonate Alkalinity (ppm)	Calcium (ppm)	Iron (ppm)	Manganese (ppm)	Nitrate (ppm)	Sulfate (ppm)	Heterotrophic Plate Count (CFU/mL)
MW-1	04/10/96	--	160	21	15	2.6	--	--	--
MW-2	01/03/96	2.2	130	27	77	3.0	0.22	97	>5,700
	04/10/96	--	460	58	60	7.0	--	--	--
MW-3	01/03/96	4.3	430	43	61	5.4	0.23	16	350
	04/10/96	--	360	40	60	3.7	--	--	--
MW-4	01/03/96	ND	120	20	61	3.3	10	44	1,000
	04/10/96	--	160	25	43	2.0	--	--	--
MW-5	01/03/96	3.4	240	31	80	3.3	ND	17	>5,700
	04/10/96	--	240	22	18	2.4	--	--	--
MW-6	04/10/96	--	240	35	61	3.7	--	--	--
MW-7	04/10/96	--	210	44	120	4.8	--	--	--
MW-8	01/03/96	ND	310	37	62	3.3	0.57	20	>5,700
	04/10/96	--	380	37	63	3.6	--	--	--

Table 4
Groundwater Analytical Results
Tosco (Unocal) Service Station #0752
800 Harrison Street
Oakland, California

EXPLANATIONS:

Groundwater laboratory analytical results were compiled from reports prepared by MPDS Services, Inc.

BOD = Biochemical Oxygen Demand

(ppm) = Parts per million

(CFU/mL) = Colony Forming Units per milliliter

-- = Not Analyzed

ND = Not Detected

Table 5
Dissolved Oxygen Concentrations
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	04/10/96	--	3.04
	07/09/96	--	3.13
	01/24/97	--	2.56
	07/23/97	2.26	2.81
	01/26/98	3.97	--
	07/03/98	3.58	--
	MW-2	01/03/96	
04/10/96		--	5.88
07/09/96		--	0.71
01/24/97		--	2.37
07/23/97		1.40	0.97
01/26/98		4.12	--
07/03/98		3.99	--
MW-3	01/03/96		1.50
	04/10/96	--	4.63
	07/09/96	--	1.04
	01/24/97	--	1.46
	07/23/97	3.84	1.37
	01/26/98	1.84	--
	07/03/98	2.16	--
MW-4	01/03/96		1.20
	04/10/96	--	5.23
	07/09/96	--	4.91
	01/24/97	--	3.04
	07/23/97	9.28	3.68
	01/26/98	3.36	--
	07/03/98	4.07	--
MW-5	01/03/96		2.80
	04/10/96	--	3.73
	07/09/96	--	3.25
	01/24/97	--	1.47
	07/23/97	7.96	4.56
	01/26/98	5.30	--
	07/03/98	4.73	--

Table 5
Dissolved Oxygen Concentrations
 Tosco (Unocal) Service Station #0752
 800 Harrison Street
 Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-6	04/10/96		4.50
	07/09/96	--	3.62
	01/24/97	--	6.21
	07/23/97	10.90	3.31
	01/26/98	2.55	--
	07/03/98	3.11	--
MW-7	04/10/96	--	5.10
	07/09/96	--	2.34
	01/24/97	--	1.91
	07/23/97	3.25	2.83
	01/26/98	3.44	--
	07/03/98	3.83	--
MW-8	01/03/96	--	1.30
	04/10/96	--	4.80
	07/09/96	--	1.32
	01/24/97	--	2.09
	07/23/97	4.08	3.27
	01/26/98	4.71	--
	07/03/98	5.16	--

EXPLANATIONS:

Dissolved oxygen concentrations prior to January 26, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set and is labeled as QA. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ConocoPhillips Company, the purge water and decontamination water generated during sampling activities is transported to ConocoPhillips - San Francisco Refinery, located in Rodeo, California.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-1 Date Monitored: 7-11-03 Well Condition: O.K.
 Well Diameter: 2 in.
 Total Depth: 33.40 ft.
 Depth to Water: 17.91 ft.
15.49 xVF 0.17 = 2.63 x3 (case volume) = Estimated Purge Volume: 8 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description:
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1035 Weather Conditions: Clear
 Sample Time/Date: 1050 17-11-03 Water Color: Clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (CE)	D.O. (mg/L)	ORP (mV)
<u>1040</u>	<u>3</u>	<u>7.07</u>	<u>2.67</u>	<u>69.6</u>	_____	_____
<u>1042</u>	<u>5</u>	<u>6.89</u>	<u>2.64</u>	<u>71.2</u>	_____	_____
<u>1044</u>	<u>8</u>	<u>6.96</u>	<u>2.66</u>	<u>71.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: SoC

Well ID: MW-2 Date Monitored: 7-11-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 30.33 ft.
 Depth to Water: 17.68 ft.
12.65 xVF 0.17 = 2.15 x3 (case volume) = Estimated Purge Volume: 7 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0950 Weather Conditions: clear
 Sample Time/Date: 1025 7-11-03 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1008</u>	<u>2.5</u>	<u>7.46</u>	<u>3.97</u>	<u>68.2</u>	_____	_____
<u>1012</u>	<u>5</u>	<u>7.31</u>	<u>4.15</u>	<u>69.7</u>	_____	_____
<u>1016</u>	<u>7</u>	<u>7.42</u>	<u>4.12</u>	<u>69.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-3 Date Monitored: 7-11-03 Well Condition: _____
 Well Diameter: 2 in.
 Total Depth: 30.45 ft.
 Depth to Water: 16.74 ft.
13.71 xVF 0.17 = 2.33 x3 (case volume) = Estimated Purge Volume: 7 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1138 Weather Conditions: clear
 Sample Time/Date: 1202 17-11-03 Water Color: clear Odor: None
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1146</u>	<u>2.5</u>	<u>7.08</u>	<u>1.95</u>	<u>72.3</u>	_____	_____
<u>1148</u>	<u>5</u>	<u>7.81</u>	<u>2.16</u>	<u>73.0</u>	_____	_____
<u>1150</u>	<u>7</u>	<u>6.78</u>	<u>2.18</u>	<u>73.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: SUC

Well ID: MW-4 Date Monitored: 7-11-03 Well Condition: O.K.

Well Diameter: 2 in.

Total Depth: 32.38 ft.

Depth to Water: 16.17 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

16.21 x VF 0.17 = 2.76 x3 (case volume) = Estimated Purge Volume: 8.5 gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0915 Weather Conditions: Clear
 Sample Time/Date: 0943 7-11-03 Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0924</u>	<u>2.5</u>	<u>7.59</u>	<u>6.38</u>	<u>70.7</u>		
<u>0927</u>	<u>5.5</u>	<u>7.66</u>	<u>6.43</u>	<u>71.2</u>		
<u>0930</u>	<u>8.5</u>	<u>7.63</u>	<u>6.35</u>	<u>70.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-5 Date Monitored: 7-11-03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 31.66 ft.
 Depth to Water: 16.29 ft.
15.37

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

xVF 0.17 = 2.61 x3 (case volume) = Estimated Purge Volume: 8 gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1104 Weather Conditions: clear
 Sample Time/Date: 1130 17-11-03 Water Color: clear Odor: slight
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1114</u>	<u>3</u>	<u>7.19</u>	<u>3.78</u>	<u>71.1</u>		
<u>1116</u>	<u>5</u>	<u>7.33</u>	<u>4.72</u>	<u>72.2</u>		
<u>1119</u>	<u>8</u>	<u>7.34</u>	<u>4.23</u>	<u>72.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-6 Date Monitored: 7-11-03 Well Condition: o.k.
 Well Diameter: 2 in.
 Total Depth: 30.85 ft.
 Depth to Water: 15.74 ft.
15.11 xVF 0.17 = 2.57 x3 (case volume) = Estimated Purge Volume: 8 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0750 Weather Conditions: clear
 Sample Time/Date: 0815 / 7-11-03 Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0758</u>	<u>3</u>	<u>7.14</u>	<u>8.08</u>	<u>71.1</u>		
<u>0807</u>	<u>5</u>	<u>7.17</u>	<u>7.65</u>	<u>71.5</u>		
<u>0804</u>	<u>8</u>	<u>7.20</u>	<u>7.56</u>	<u>71.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-7 Date Monitored: 7-11-03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 31.45 ft.

Depth to Water: 16.13 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

15.32 xVF 0.17 = 2.60 x3 (case volume) = Estimated Purge Volume: 8 gal.

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump ✓
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer ✓
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0830 Weather Conditions: clean
 Sample Time/Date: 0903 17-11-03 Water Color: clear Odor: none
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ¹⁰⁰	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0845</u>	<u>2.5</u>	<u>7.42</u>	<u>4.16</u>	<u>73.1</u>	_____	_____
<u>0847</u>	<u>5</u>	<u>7.49</u>	<u>4.38</u>	<u>73.2</u>	_____	_____
<u>0849</u>	<u>8</u>	<u>7.52</u>	<u>4.51</u>	<u>73.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #0752 Job Number: 180066
 Site Address: 800 Harrison Street Event Date: 7-11-03 (inclusive)
 City: Oakland, CA Sampler: Juc

Well ID: MW-8 Date Monitored: 7-11-03 Well Condition: O.K.
 Well Diameter: 2 in.
 Total Depth: 27.85 ft.
 Depth to Water: 15.89 ft.
11.96 xVF 0.17 = 2.03 x3 (case volume) = Estimated Purge Volume: 6 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0705 Weather Conditions: Clear
 Sample Time/Date: 0735 7-11-03 Water Color: clear Odor: none
 Purging Flow Rate: 2.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0716</u>	<u>2</u>	<u>7.27</u>	<u>6.08</u>	<u>64.0</u>	_____	_____
<u>0719</u>	<u>4</u>	<u>7.30</u>	<u>5.69</u>	<u>64.1</u>	_____	_____
<u>0724</u>	<u>6</u>	<u>7.41</u>	<u>5.74</u>	<u>63.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____

Gettler Ryan

July 31, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180066.80

Project: Conoco #0752

Site: 800 Harrison St., Oakland, CA

RECEIVED

GETTLER-RYAN INC.
GENERAL CONTRACTORS

Dear Ms. Harding,

Attached is our report for your samples received on 07/15/2003 17:30

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/29/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	07/11/2003	Water	1
MW-1	07/11/2003 10:50	Water	2
MW-2	07/11/2003 10:25	Water	3
MW-3	07/11/2003 12:02	Water	4
MW-4	07/11/2003 09:43	Water	5
MW-5	07/11/2003 11:30	Water	6
MW-6	07/11/2003 08:15	Water	7
MW-7	07/11/2003 09:03	Water	8
MW-8	07/11/2003 07:35	Water	9

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-4 Lab ID: 2003-07-0480 - 5
 Sampled: 07/11/2003 09:43 Extracted: 7/22/2003 01:58
 Matrix: Water QC Batch#: 2003/07/21-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	200	50	ug/L	1.00	07/22/2003 01:58	g
Benzene	ND	0.50	ug/L	1.00	07/22/2003 01:58	
Toluene	ND	0.50	ug/L	1.00	07/22/2003 01:58	
Ethylbenzene	ND	0.50	ug/L	1.00	07/22/2003 01:58	
Total xylenes	ND	1.0	ug/L	1.00	07/22/2003 01:58	
Methyl tert-butyl ether (MTBE)	52	2.0	ug/L	1.00	07/22/2003 01:58	
Ethanol	ND	500	ug/L	1.00	07/22/2003 01:58	
Surrogates(s)						
1,2-Dichloroethane-d4	88.4	76-114	%	1.00	07/22/2003 01:58	
Toluene-d8	100.5	88-110	%	1.00	07/22/2003 01:58	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-5 Lab ID: 2003-07-0480 - 6
 Sampled: 07/11/2003 11:30 Extracted: 7/22/2003 13:49
 Matrix: Water QC Batch#: 2003/07/22-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/22/2003 13:49	
Benzene	ND	0.50	ug/L	1.00	07/22/2003 13:49	
Toluene	ND	0.50	ug/L	1.00	07/22/2003 13:49	
Ethylbenzene	ND	0.50	ug/L	1.00	07/22/2003 13:49	
Total xylenes	ND	1.0	ug/L	1.00	07/22/2003 13:49	
Methyl tert-butyl ether (MTBE)	3.6	2.0	ug/L	1.00	07/22/2003 13:49	
Ethanol	ND	500	ug/L	1.00	07/22/2003 13:49	
Surrogates(s)						
1,2-Dichloroethane-d4	91.3	76-114	%	1.00	07/22/2003 13:49	
Toluene-d8	101.7	88-110	%	1.00	07/22/2003 13:49	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-7

Lab ID: 2003-07-0480 - 8

Sampled: 07/11/2003 09:03

Extracted: 7/22/2003 03:05

Matrix: Water

QC Batch#: 2003/07/21-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	73	50	ug/L	1.00	07/22/2003 03:05	g
Benzene	ND	0.50	ug/L	1.00	07/22/2003 03:05	
Toluene	ND	0.50	ug/L	1.00	07/22/2003 03:05	
Ethylbenzene	ND	0.50	ug/L	1.00	07/22/2003 03:05	
Total xylenes	ND	1.0	ug/L	1.00	07/22/2003 03:05	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	07/22/2003 03:05	
Ethanol	ND	500	ug/L	1.00	07/22/2003 03:05	
Surrogates(s)						
1,2-Dichloroethane-d4	87.2	76-114	%	1.00	07/22/2003 03:05	
Toluene-d8	98.4	88-110	%	1.00	07/22/2003 03:05	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/07/21-3A.62-040

Water

Test(s): 8260FAB

QC Batch # 2003/07/21-3A.62

Date Extracted: 07/21/2003 12:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/21/2003 12:40	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/21/2003 12:40	
Benzene	ND	0.5	ug/L	07/21/2003 12:40	
Toluene	ND	0.5	ug/L	07/21/2003 12:40	
Ethylbenzene	ND	0.5	ug/L	07/21/2003 12:40	
Total xylenes	ND	1.0	ug/L	07/21/2003 12:40	
Ethanol	ND	500	ug/L	07/21/2003 12:40	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	76-114	%	07/21/2003 12:40	
Toluene-d8	99.6	88-110	%	07/21/2003 12:40	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/07/22-1A.62-005

Water

Test(s): 8260FAB

QC Batch # 2003/07/22-1A.62

Date Extracted: 07/22/2003 10:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/22/2003 10:05	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	07/22/2003 10:05	
Benzene	ND	0.5	ug/L	07/22/2003 10:05	
Toluene	ND	0.5	ug/L	07/22/2003 10:05	
Ethylbenzene	ND	0.5	ug/L	07/22/2003 10:05	
Total xylenes	ND	1.0	ug/L	07/22/2003 10:05	
Ethanol	ND	500	ug/L	07/22/2003 10:05	
Surrogates(s)					
1,2-Dichloroethane-d4	87.7	76-114	%	07/22/2003 10:05	
Toluene-d8	102.6	88-110	%	07/22/2003 10:05	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80
Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/07/21-3A.62

LCS 2003/07/21-3A.62-055

Extracted: 07/21/2003

Analyzed: 07/21/2003 11:55

LCSD 2003/07/21-3A.62-017

Extracted: 07/21/2003

Analyzed: 07/21/2003 12:17

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3	22.8	25	93.2	91.2	2.2	65-165	20		
Benzene	22.0	23.1	25	88.0	92.4	4.9	69-129	20		
Toluene	21.5	22.6	25	86.0	90.4	5.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	454	442	500	90.8	88.4		76-114			
Toluene-d8	490	504	500	98.0	100.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/07/22-1A.62

LCS 2003/07/22-1A.62-021

Extracted: 07/22/2003

Analyzed: 07/22/2003 09:21

LCSD 2003/07/22-1A.62-043

Extracted: 07/22/2003

Analyzed: 07/22/2003 09:43

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.0	21.7	25	88.0	86.8	1.4	65-165	20		
Benzene	22.2	23.1	25	88.8	92.4	4.0	69-129	20		
Toluene	22.4	22.5	25	89.6	90.0	0.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	433	500	89.0	86.6		76-114			
Toluene-d8	491	505	500	98.2	101.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180066.80

Conoco #0752

Received: 07/15/2003 17:30

Site: 800 Harrison St., Oakland, CA

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.