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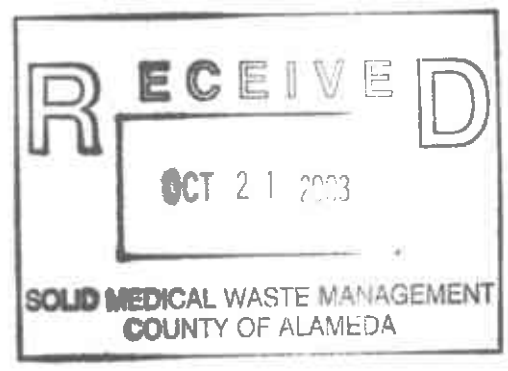
2000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

Phone: (925) 277-2384  
Fax: (925) 277-2361

Risk Management &  
Remediation

October 16, 2003

Re: **Tosco (Unocal) Service Station #5367**  
**500 Bancroft Avenue**  
**Oakland, California**  
**CA.**



“ I declare under penalty of perjury, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached proposal or report is true and correct”

*David B. DeWitt*  
David B. DeWitt  
Site Manager  
ConocoPhillips



# GETTLER-RYAN INC.

## TRANSMITTAL

October 2, 2003  
G-R #180108

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

CC: Mr. Tim Ripp  
Shaw Environmental, Inc.  
2360 Bering Drive  
San Jose, California 95131

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

RE: **Tosco (Unocal) Service Station  
#5367  
500 Bancroft Avenue  
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 30, 2003	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of September 3, 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 **October 16, 2003**, this report will be distributed to the following:

cc: ~~Ms. Eva Chu, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94502~~  
Mr. Michael Bakaldin, City of San Leandro Fire Department, 835 East 14th Street, San Leandro, CA 94577

Enclosure

trans/5367-dbd

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888  
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317  
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# GETTLER-RYAN INC.

September 30, 2003  
G-R Job #180108

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

**RE: Second Semi-Annual Event of September 3, 2003**  
Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, 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 3. 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,

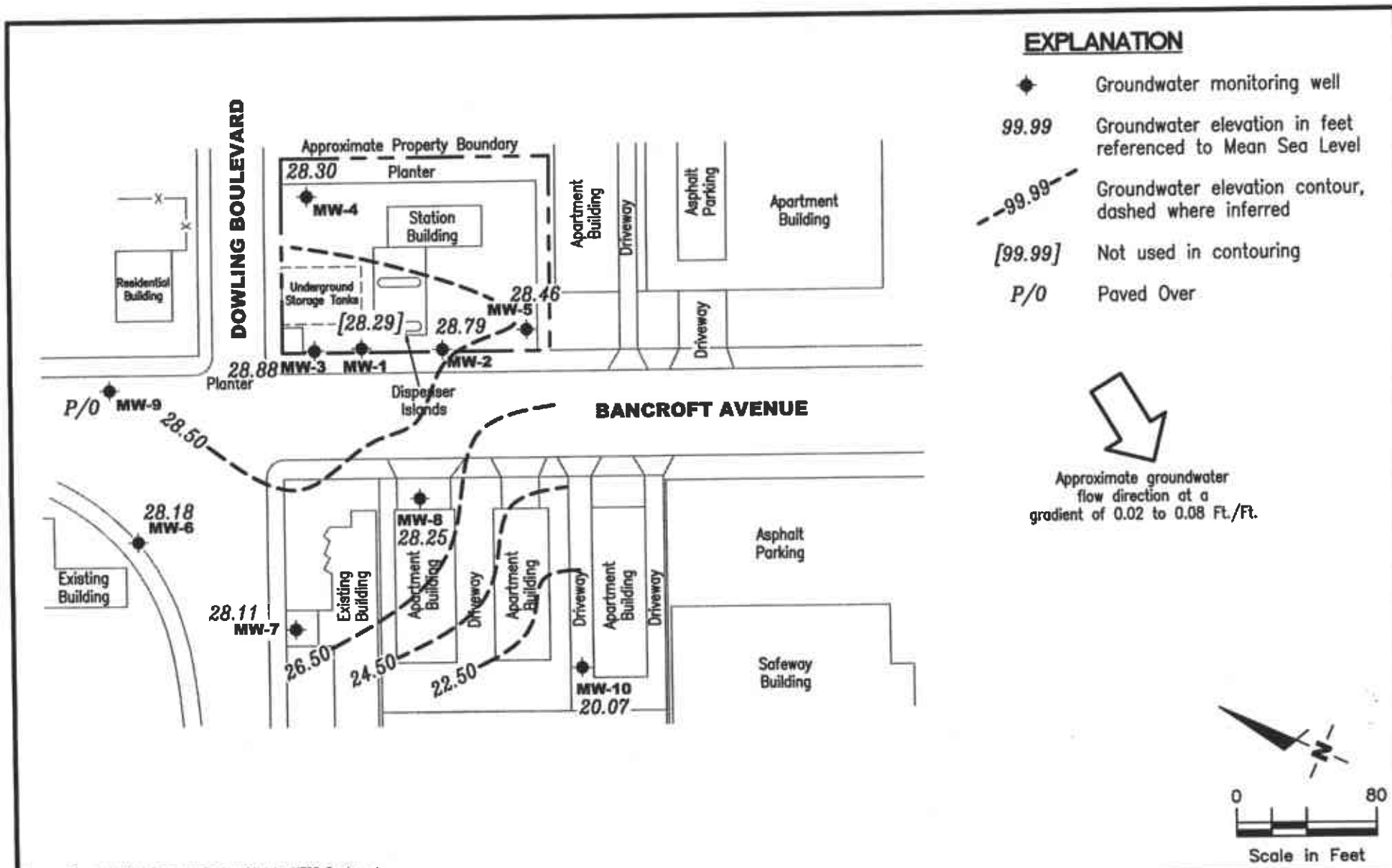
Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



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: Dissolved Oxygen Concentrations  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

5367 qml



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 #5367  
 500 Bancroft Avenue  
 San Leandro, California

FIGURE

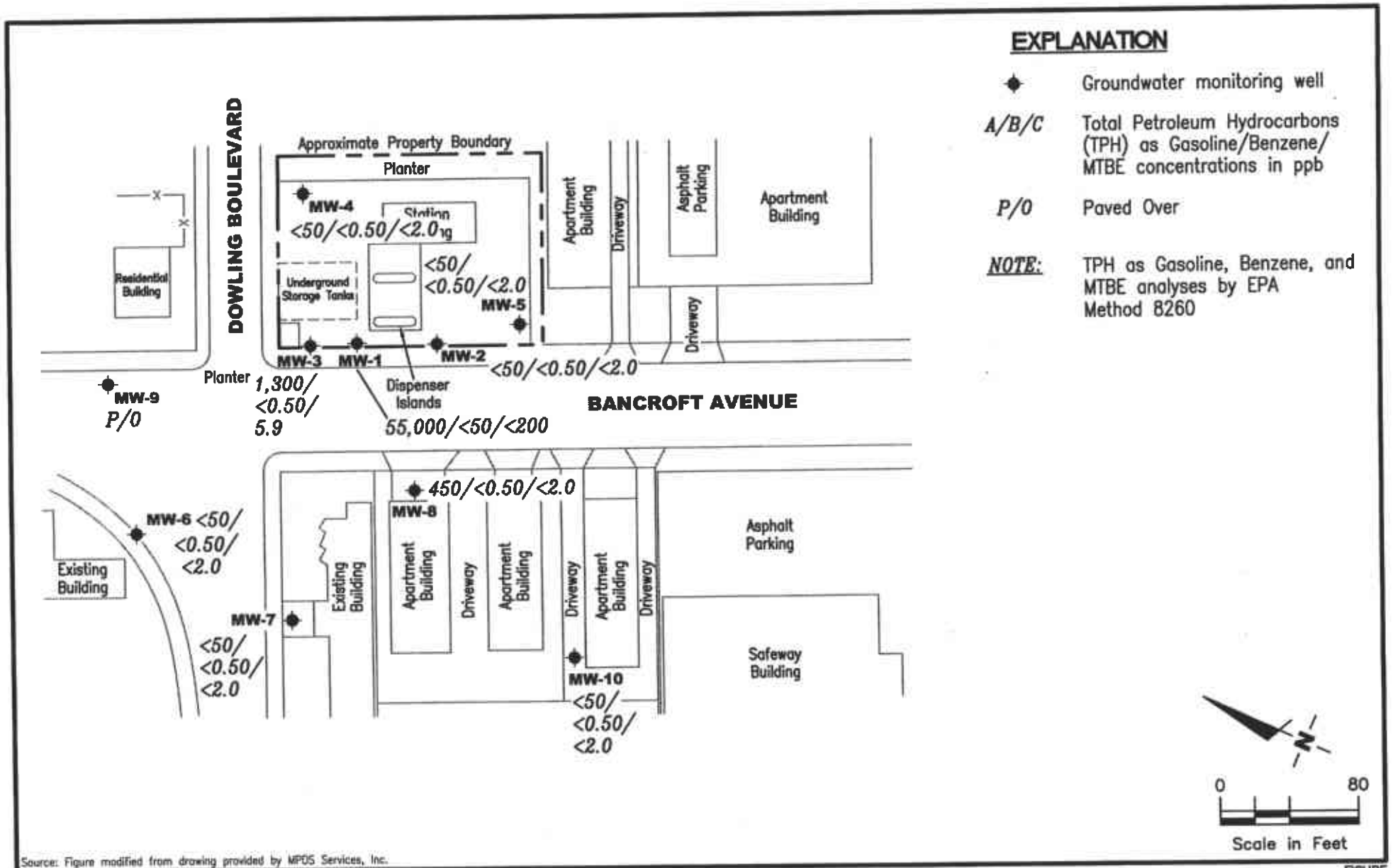
1

PROJECT NUMBER  
180108

REVIEWED BY

DATE  
September 3, 2003

REVISED DATE



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

**CONCENTRATION MAP**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

FIGURE  
**2**

PROJECT NUMBER 180108      REVIEWED BY      DATE September 3, 2003      REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											--
57.83	09/23/87	33.40	10.0-35.0	24.43**	0.02	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	09/24/87	33.24		24.59**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	10/06/87	33.39		24.44**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/05/87	34.14		23.69**	0.31	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/13/87	34.15		23.68**	0.38	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/19/87	33.89		23.94**	0.06	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	04/27/88	32.40		25.43**	0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	09/07/88	DRY		--	--	--	--	--	--	--	--
	10/03/88	DRY		--	--	--	--	--	--	--	--
	01/27/89	DRY		--	--	--	--	--	--	--	--
	02/16/90	DRY		--	--	--	--	--	--	--	--
	07/19/90	DRY		--	--	--	--	--	--	--	--
	08/24/90	DRY		--	--	--	--	--	--	--	--
	11/30/90	DRY		--	--	--	--	--	--	--	--
	02/06/91	DRY		--	--	--	--	--	--	--	--
	05/06/91	33.00		24.83	0.00	--	--	--	--	--	--
	09/27/91	DRY		--	--	--	--	--	--	--	--
	03/31/92	31.00		26.83	0.00	330,000	8,200	33,000	6,800	36,000	--
	06/18/92	32.76		25.07	0.00	680,000	9,000	40,000	7,600	44,000	--
	10/16/92	DRY		--	--	--	--	--	--	--	--
	11/18/92	DRY		--	--	--	--	--	--	--	--
	03/03/93	26.03		31.80	0.00	330,000	3,800	21,000	4,200	24,000	--
	06/25/93	28.36		29.47	0.00	160,000	4,300	36,000	5,800	34,000	--
	09/03/93	30.80		27.03	0.00	160,000	3,900	41,000	6,800	38,000	--
	12/13/93	32.73		25.10	0.00	140,000	3,600	37,000	7,100	40,000	--
	03/18/94	30.10		27.73	0.00	99,000	3,800	37,000	6,800	36,000	--
	06/23/94	31.32		26.51	0.00	150,000	2,500	33,000	6,400	37,000	--
	09/21/94	33.21		24.62	0.00	110,000	2,500	23,000	4,500	25,000	--
	12/19/94	30.97		26.86	0.00	200,000	2,400	28,000	6,600	37,000	--
	03/27/95	22.77		35.06	0.00	88,000	1,500	20,000	4,200	25,000	--
	06/26/95	25.69		32.14	0.00	130,000	1,000	23,000	5,600	33,000	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	07/28/95	26.97	10.0-35.0	30.86	0.00	--	--	--	--	--	--
(cont)	09/28/95	29.55		28.28	0.00	100,000	810	21,000	6,500	37,000	--
	10/24/95	29.99		27.84	0.00	--	--	--	--	--	--
	12/29/95	30.40		27.43	0.00	110,000	990	22,000	8,300	47,000	--
	03/27/96	22.29		35.54	0.00	120,000	920	17,000	7,100	41,000	180
	09/21/96	29.44		28.39	0.00	110,000	270	3,500	5,900	16,000	260
	03/31/97	24.18		33.65	0.00	82,000	240	8,700	3,800	23,000	ND
	09/27/97	31.86		25.97	0.00	81,000	ND	1,000	5,900	31,000	ND
	03/20/98	16.88		40.95	0.00	52,000	ND <sup>5</sup>	350	2,900	14,000	ND <sup>5</sup>
	09/09/98	26.21		31.62	0.00	59,000	51	64	6,000	4,800	ND <sup>5</sup>
	03/11/99	23.60		34.23	0.00	60,000	130	ND <sup>5</sup>	2,900	12,000	ND <sup>5</sup>
	09/08/99	28.70		29.13	0.00	74,000 <sup>7</sup>	ND <sup>5</sup>	ND <sup>5</sup>	2,600	10,000	ND <sup>5</sup>
	03/24/00	21.61		36.22	0.00	37,000 <sup>7</sup>	ND <sup>5</sup>	ND <sup>5</sup>	1,980	6,880	ND <sup>5</sup>
	09/15/00	28.19		29.64	0.00	45,800 <sup>9</sup>	ND <sup>5</sup>	ND <sup>5</sup>	3,150	10,500	ND <sup>5</sup>
	03/16/01	25.59		32.24	0.00	37,500	76.2	16.6	2,010	7,330	ND
	08/31/01	29.03		28.80	0.00	62,000 <sup>10</sup>	79	<50	3,000	13,000	<250
	03/15/02	25.58		32.25	0.00	26,000	43	22	2,400	10,000	<100
	09/26/02 <sup>11</sup>	29.51		28.32	0.00	56,000	31	<25	2,500	11,000	<100
	03/16/03 <sup>11</sup>	26.71		31.12	0.00	43,000	<250	<250	2,200	6,800	<1,000
	09/03/03 <sup>11</sup>	29.54		28.29	0.00	55,000 <sup>12</sup>	<50	<50	2,200	4,200	<200
MW-2											
58.13	10/03/88	36.04	23.0-48.0	22.09	0.00	1,760	47.8	7.4	20.9	81.6	--
	01/27/89	34.77		23.36	0.00	510	58	8.7	22.6	20.3	--
	02/16/90	34.50		23.63	0.00	840	50	0.5	28	44	--
	05/01/90	--		--	--	1,000	39	ND	32	52	--
	07/19/90	35.72		22.41	0.00	--	--	--	--	--	--
	08/24/90	36.30		21.83	0.00	330	17	ND	19	20	--
	11/30/90	37.40		20.73	0.00	400	41	ND	39	37	--
	02/07/91	37.27		20.86	0.00	510	40	ND	29	44	--
	05/06/91	33.31		24.82	0.00	2,300	150	10	52	110	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-2 (cont)	09/27/91	36.86	28.0-48.0	21.27	0.00	110	2.6	ND	5.6	5.1	--	
	12/27/91	37.66		20.47	0.00	170	3.9	ND	7.3	60	--	
	03/31/92	37.66		20.47	0.00	--	--	--	--	--	--	
	06/18/92	31.27		26.86	0.00	1,200	35	1.6	56	26	--	
	09/30/92	--		--	--	820	21	ND	42	25	--	
	10/16/92	35.87		22.26	0.00	--	--	--	--	--	--	
	11/18/92	36.24		21.89	0.00	65	1.2	ND	2.8	1.4	--	
	03/03/93	26.30		31.83	0.00	4,200	62	2.9	97	120	--	
	06/25/93	28.40		29.73	0.00	4,000	110	ND	320	280	--	
	09/03/93	31.10		27.03	0.00	1,400	31	4.3	99	53	--	
	12/13/93	33.03		25.10	0.00	260	7.7	0.83	17	23	--	
	03/18/94	30.34		27.79	0.00	250	6.4	0.64	28	24	--	
	06/23/94	31.63		26.50	0.00	420	3.9	0.66	23	11	--	
	09/21/94	33.52		24.61	0.00	ND	ND	ND	ND	ND	--	
	12/19/94	31.26		26.87	0.00	190	1.9	ND	15	6.8	--	
	03/27/95 <sup>2</sup>	23.02		35.11	0.00	ND	ND	0.55	1.2	2.5	--	
	06/26/95	25.98		32.15	0.00	ND	ND	0.93	0.88	3.4	--	
	07/28/95	27.26		30.87	0.00	--	--	--	--	--	--	
	09/28/95	29.77		28.36	0.00	730	2.9	ND	41	29	--	
	10/24/95	30.56		27.57	0.00	--	--	--	--	--	--	
	12/29/95	30.25		27.88	0.00	860	4.3	1.0	27	50	--	
	03/27/96	22.30		35.83	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)						--
	09/21/96	29.47		28.66	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)						--
	03/31/97	24.20		33.93	0.00	ND	ND	ND	ND	ND	ND	ND
	09/27/97	31.07		27.06	0.00	ND	ND	ND	ND	ND	ND	ND
	03/20/98	16.73		41.40	0.00	ND	ND	0.54	ND	0.57	ND	ND
	09/09/98	26.03		32.10	0.00	ND	ND	0.59	ND	1.1	ND	ND
	03/11/99	23.46		34.67	0.00	ND	ND	ND	ND	ND	ND	ND
	09/08/99	28.53		29.60	0.00	ND	ND	ND	ND	ND	ND	ND
	03/24/00	21.45		36.68	0.00	ND	ND	ND	ND	ND	ND	ND
	09/15/00	28.02		30.11	0.00	ND	ND	ND	ND	ND	ND	ND
	03/16/01	25.41		32.72	0.00	ND	ND	ND	ND	ND	ND	ND



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (mst)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	08/31/01	28.74	28.0-48.0	29.39	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
(cont)	03/15/02	25.45		32.68	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/26/02 <sup>11</sup>	29.36		28.77	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	03/16/03 <sup>11</sup>	26.58		31.55	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	09/03/03 <sup>11</sup>	29.34		28.79	0.00	<50	<0.50	0.71	<0.50	<1.0	<2.0
MW-3 57.92	10/03/88	35.86	23.0-48.0	22.06	0.00	61,000	1,060	3,380	1,520	8,720	--
	01/27/89	34.60		23.32	0.00	39,000	1,570	2,830	1,250	7,070	--
	02/16/90	35.23		22.69	0.00	22,000	710	4,100	6,900	33,000	--
	05/01/90	--		--	--	19,000	330	170	310	1,500	--
	07/19/90	35.50		22.42	0.00	--	--	--	--	--	--
	08/24/90	36.08		21.84	0.00	19,000	480	160	510	1,500	--
	11/30/90	37.17		20.75	0.00	13,000	390	81	410	1,000	--
	02/06/91	37.07		20.85	0.00	13,000	310	150	380	1,200	--
	05/06/91	33.11		24.81	0.00	39,000	1,000	570	930	3,900	--
	09/27/91	36.64		21.28	0.00	4,000	160	84	180	560	--
	12/27/91	37.46		20.46	0.00	31,000	240	280	400	1,600	--
	03/31/92	31.10		26.82	0.00	100,000	1,900	1,900	2,300	9,400	--
	06/18/92	32.83		25.09	0.00	180,000	2,200	1,700	2,300	1,100	--
	09/30/92	--		--	--	36,000	730	200	1,000	4,400	--
	10/16/92	35.66		22.26	0.00	--	--	--	--	--	--
	11/18/92	36.04		21.88	0.00	24,000 <sup>1</sup>	430	160	640	2,800	--
	03/03/93	26.11		31.81	0.00	96,000 <sup>1</sup>	1,400	1,900	1,400	8,400	--
	06/25/93	28.43		29.49	0.00	27,000	1,200	980	1,700	6,900	--
	09/03/93	30.88		27.04	0.00	82,000	2,400	3,400	4,200	21,000	--
	12/13/93	32.82		25.10	0.00	49,000	1,300	360	2,300	9,200	--
	03/18/94	30.17		27.75	0.00	22,000	1,200	430	2,200	9,700	--
	06/23/94	31.42		26.50	0.00	37,000	1,300	670	3,100	14,000	--
	09/21/94	33.30		24.62	0.00	24,000	890	110	2,200	8,800	--
	12/19/94	31.07		26.85	0.00	100,000	1,200	2,900	4,200	23,000	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)		
MW-3 (cont)	03/27/95 <sup>2</sup>	22.78	23.0-48.0	35.14	0.00	33,000	410	66	1,600	6,500	--		
	06/26/95	25.78		32.14	0.00	14,000	300	ND	1,300	3,900	--		
	07/28/95	27.06		30.86	0.00	--	--	--	--	--	-- <sup>3</sup>		
	09/28/95	29.57		28.35	0.00	17,000	730	30	4,000	8,800	--		
	10/24/95	30.34		27.58	0.00	--	--	--	--	--	-- <sup>4</sup>		
	12/29/95	29.91		28.01	0.00	55,000	700	ND	4,900	16,000	--		
	03/27/96	21.99		35.93	0.00	NOT SAMPLED (CONNECTED TO REMEDIATION SYSTEM)						6,600	1,800
	09/21/96	29.15		28.77	0.00	34,000	140	ND	2,200	1,500	ND		
	03/31/97	23.86		34.06	0.00	17,000	58	110	530	420	140		
	09/27/97	30.76		27.16	0.00	11,000	19	ND	850	ND	74		
	03/20/98	16.39		41.53	0.00	ND	ND	ND	ND	ND	ND <sup>5</sup>		
	09/09/98	25.70		32.22	0.00	ND <sup>5</sup>	ND <sup>5</sup>	ND <sup>5</sup>	ND <sup>5</sup>	ND <sup>5</sup>	ND <sup>5</sup>		
	03/11/99	23.12		34.80	0.00	7,300	ND	ND	320	210	ND		
	09/08/99	28.21		29.71	0.00	7,900 <sup>7</sup>	ND <sup>5</sup>	ND <sup>5</sup>	ND <sup>5</sup>	160	ND <sup>5</sup>		
	03/24/00	21.12		36.80	0.00	3,310 <sup>7</sup>	5.40	ND <sup>5</sup>	101	43.3	ND/12.6 <sup>8</sup>		
	09/15/00	27.68		30.24	0.00	1,540 <sup>9</sup>	ND <sup>5</sup>	ND <sup>5</sup>	56.4	ND	42.9		
	03/16/01	25.09		32.83	0.00	678	3.14	1.00	16.4	14.6	<2.5		
	08/31/01	28.53		29.39	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
	03/15/02	25.05		32.87	0.00	1,500	<2.5	<2.5	43	<2.5	<12		
	09/26/02 <sup>11</sup>	28.98		28.94	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0		
03/16/03 <sup>11</sup>	26.19	31.73	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0				
09/03/03 <sup>11</sup>	29.04	28.88	0.00	1,300 <sup>12</sup>	<0.50	0.53	19	<1.0	5.9				
MW-4 58.29	10/03/88	36.12	23.0-48.0	22.17	0.00	ND	ND	ND	ND	ND	--		
	01/27/89	34.87		23.42	0.00	ND	ND	ND	ND	ND	--		
	02/16/90	35.60		22.69	0.00	ND	ND	ND	ND	ND	--		
	05/01/90	--		--	--	--	ND	ND	ND	0.68	1.4	--	
	07/19/90	35.78		22.51	0.00	--	--	--	--	--	--		
	08/24/90	36.35		21.94	0.00	ND	ND	ND	ND	ND	ND	--	
	11/30/90	37.46		20.83	0.00	ND	ND	ND	ND	1.2	--		

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	02/06/91	37.40	23.0-48.0	20.89	0.00	ND	ND	ND	ND	ND	--
(cont)	05/06/91	33.39		24.90	0.00	--	--	--	--	--	--
	09/27/91	36.90		21.39	0.00	ND	ND	ND	ND	ND	--
	12/27/91	37.76		20.53	0.00	ND	ND	ND	ND	ND	--
	03/31/92	31.41		26.88	0.00	ND	ND	ND	ND	ND	--
	06/18/92	33.09		25.20	0.00	ND	ND	ND	ND	ND	--
	10/16/92	35.92		22.37	0.00	ND	ND	ND	ND	ND	--
	11/18/92	36.33		21.96	0.00	--	--	--	--	--	--
	03/03/93	26.43		31.86	0.00	68	0.9	0.6	ND	1.9	--
	06/25/93	28.60		29.69	0.00	--	--	--	--	--	--
	09/03/93	31.05		27.24	0.00	86	14	13	1.4	7.1	--
	12/13/93	33.09		25.20	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	30.42		27.87	0.00	ND	ND	ND	ND	ND	--
	06/23/94	31.95		26.34	0.00	--	--	--	--	--	--
	09/21/94	33.86		24.43	0.00	ND	ND	0.78	ND	0.81	--
	12/19/94	31.72		26.57	0.00	--	--	--	--	--	--
	03/27/95	23.44		34.85	0.00	ND	ND	0.79	0.5	3.1	--
	06/26/95	26.26		32.03	0.00	--	--	--	--	--	--
	07/28/95	27.53		30.76	0.00	--	--	--	--	--	--
	09/28/95	30.05		28.24	0.00	ND	ND	ND	ND	ND	-- <sup>3</sup>
	10/24/95	30.79		27.50	0.00	--	--	--	--	--	--
	12/29/95	30.96		27.33	0.00	--	--	--	--	--	--
	03/27/96	22.71		35.58	0.00	ND	ND	0.70	ND	0.79	ND
	09/21/96	29.88		28.41	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.72		33.57	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	31.68		26.61	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	17.27		41.02	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.58		31.71	0.00	ND	ND	ND	ND	0.65	3.0
	03/11/99	24.12		34.17	0.00	ND	ND	0.70	ND	1.2	ND
	09/08/99	29.18		29.11	0.00	ND	ND	ND	ND	0.78	ND
	03/24/00	22.08		36.21	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	28.63		29.66	0.00	ND	ND	1.36	ND	1.46	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-4 (cont)	03/16/01	26.14	23.0-48.0	32.15	0.00	ND	ND	ND	ND	ND	ND	
	08/31/01	29.27		29.02	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
	03/15/02	26.07		32.22	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
	09/26/02 <sup>11</sup>	29.95		28.34	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
	03/16/03 <sup>11</sup>	27.20		31.09	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
	09/03/03 <sup>11</sup>	29.99		28.30	0.00	<50	<0.50	0.58	<0.50	<1.0	<2.0	
MW-5 58.50	02/16/90	35.89	25.0-45.0	22.61	0.00	67	0.51	1.6	2.9	7.5	--	
	05/01/90	--		--	--	ND	ND	ND	ND	ND	--	
	07/19/90	36.10		22.40	0.00	--	--	--	--	--	--	
	08/24/90	36.67		21.83	0.00	ND	ND	ND	ND	ND	--	
	11/30/90	37.74		20.76	0.00	ND	ND	0.7	ND	ND	--	
	02/06/91	37.62		20.88	0.00	ND	ND	ND	ND	ND	--	
	05/06/91	33.67		24.83	0.00	--	--	--	--	--	--	
	09/27/91	37.23		21.27	0.00	ND	ND	ND	ND	ND	--	
	12/27/91	38.02		20.48	0.00	ND	ND	ND	ND	ND	--	
	03/31/92	31.62		26.88	0.00	ND	ND	ND	ND	1.1	--	
	06/18/92	33.46		25.04	0.00	--	--	--	--	--	--	
	10/16/92	36.23		22.27	0.00	ND	ND	ND	ND	ND	--	
	11/18/92	36.62		21.88	0.00	--	--	--	--	--	--	
	03/03/93	26.62		31.88	0.00	ND	ND	ND	ND	ND	--	
	06/25/93	INACCESSIBLE		--	--	--	--	--	--	--	--	--
	09/03/93	31.45		27.05	0.00	ND	ND	1.5	ND	7.9	--	
	12/13/93	33.39		25.11	0.00	SAMPLED SEMI-ANNUALLY						--
	03/18/94	30.67		27.83	0.00	ND	ND	ND	ND	ND	--	
	06/23/94	32.00		26.50	0.00	--	--	--	--	--	--	
	09/21/94	33.90		24.60	0.00	ND	ND	0.98	ND	1.6	--	
12/19/94	31.63		26.87	0.00	--	--	--	--	--	--		
03/27/95	23.44		35.06	0.00	ND	ND	0.66	ND	2.9	--		
06/26/95	26.35		32.15	0.00	--	--	--	--	--	--		

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	07/28/95	27.63	25.0-45.0	30.87	0.00	--	--	--	--	--	--
(cont)	09/28/95	30.15		28.35	0.00	ND	ND	ND	ND	ND	--
	10/24/95	30.98		27.52	0.00	--	--	--	--	--	--
	12/29/95	30.87		27.63	0.00	--	--	--	--	--	--
	03/27/96	22.75		35.75	0.00	ND	ND	1.7	ND	2.4	ND
	09/21/96	29.95		28.55	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.80		33.70	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	31.65		26.85	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	17.31		41.19	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.63		31.87	0.00	ND	ND	ND	ND	ND	ND
	03/11/99	24.08		34.42	0.00	ND	ND	0.96	ND	1.7	ND
	09/08/99	29.16		29.34	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	22.06		36.44	0.00	ND	ND	ND	ND	0.957	ND
	09/15/00	28.64		29.86	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	26.05		32.45	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	29.32		29.18	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/15/02	26.08		32.42	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/26/02 <sup>11</sup>	29.96		28.54	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	03/16/03 <sup>11</sup>	27.24		31.26	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	09/03/03 <sup>11</sup>	30.04		28.46	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-6											
56.96	02/16/90	34.50	25.0-45.0	22.46	0.00	ND	ND	ND	ND	ND	--
	05/01/90	--		--	--	ND	ND	ND	ND	ND	--
	07/19/90	34.74		22.22	0.00	ND	ND	ND	ND	ND	--
	08/24/90	35.32		21.64	0.00	ND	ND	ND	ND	ND	--
	11/30/90	36.38		20.58	0.00	ND	ND	ND	ND	ND	--
	02/06/91	36.27		20.69	0.00	ND	ND	ND	ND	ND	--
	05/06/91	32.41		24.55	0.00	--	--	--	--	--	--
	09/27/91	35.87		21.09	0.00	ND	ND	ND	ND	ND	--
	12/27/91	36.67		20.29	0.00	ND	ND	ND	ND	ND	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-6	03/31/92	30.32	25.0-45.0	26.64	0.00	ND	ND	1.3	ND	2	--	
(cont)	06/18/92	32.18		24.78	0.00	ND	ND	ND	ND	ND	--	
	10/16/92	34.92		22.04	0.00	ND	ND	ND	ND	ND	--	
	11/18/92	35.28		21.68	0.00	--	--	--	--	--	--	
	03/03/93	25.43		31.53	0.00	ND <sup>1</sup>	ND	ND	ND	ND	--	
	06/25/93	27.86		29.10	0.00	--	--	--	--	--	--	
	09/03/93	30.25		26.71	0.00	ND	ND	ND	ND	ND	--	
	12/13/93	32.14		24.82	0.00	SAMPLED SEMI-ANNUALLY						--
	03/18/94	29.46		27.50	0.00	ND	ND	0.93	ND	1.4	--	
	06/23/94	30.76		26.20	0.00	--	--	--	--	--	--	
	09/21/94	32.62		24.34	0.00	ND	ND	ND	ND	ND	--	
	12/19/94	30.32		26.64	0.00	--	--	--	--	--	--	
	03/27/95	22.10		34.86	0.00	56	ND	0.65	ND	3.3	--	
	06/26/95	25.20		31.76	0.00	--	--	--	--	--	--	
	07/28/95	26.48		30.48	0.00	--	--	--	--	--	--	
	09/28/95	28.92		28.04	0.00	ND	ND	ND	ND	ND	--	
	10/24/95	29.73		27.23	0.00	--	--	--	--	--	--	
	12/29/95	29.62		27.34	0.00	--	--	--	--	--	--	
	03/27/96	21.59		35.37	0.00	50	ND	0.92	ND	0.96	ND	
	09/21/96	28.72		28.24	0.00	ND	ND	ND	ND	ND	ND	
	03/31/97	23.72		33.24	0.00	73	0.67	0.82	ND	ND	ND	
	09/27/97	30.52		26.44	0.00	ND	ND	ND	ND	ND	ND	
	03/20/98	16.35		40.61	0.00	ND	ND	ND	ND	ND	ND	
	09/09/98	25.53		31.43	0.00	ND	ND	0.64	ND	0.65	3.3	
	03/11/99	22.85		34.11	0.00	ND	ND	0.71	ND	1.4	ND	
	09/08/99	28.01		28.95	0.00	ND	ND	ND	ND	ND	ND	
	03/24/00	20.93		36.03	0.00	ND	ND	ND	ND	ND	ND	
	09/15/00	27.51		29.45	0.00	ND	ND	ND	ND	ND	ND	
	03/16/01	24.87		32.09	0.00	ND	ND	ND	ND	ND	ND	
	08/31/01	28.20		28.76	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
	03/15/02	24.82		32.14	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	09/26/02 <sup>11</sup>	28.72	25.0-45.0	28.24	0.00	84 <sup>12</sup>	<0.50	<0.50	<0.50	<1.0	<2.0
(cont)	03/16/03 <sup>11</sup>	26.00		30.96	0.00	52 <sup>12</sup>	<0.50	<0.50	<0.50	<1.0	<2.0
	09/03/03 <sup>11</sup>	28.78		28.18	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-7 57.25	02/16/90	35.75	24.0-44.0	21.50	0.00	ND	ND	ND	ND	ND	--
	05/01/90	--		--	--	24	ND	ND	0.74	1.7	--
	07/19/90	35.03		22.22	0.00	--	--	--	--	--	--
	08/24/90	35.64		21.61	0.00	ND	ND	ND	ND	ND	--
	11/30/90	36.68		20.57	0.00	ND	ND	ND	0.6	1.5	--
	02/06/91	36.55		20.70	0.00	ND	ND	ND	ND	ND	--
	05/06/91	32.69		24.56	0.00	ND	ND	ND	ND	ND	--
	09/27/91	36.18		21.07	0.00	ND	ND	ND	ND	ND	--
	12/27/91	36.96		20.29	0.00	ND	ND	ND	ND	ND	--
	03/31/92	30.56		26.69	0.00	ND	ND	ND	ND	0.9	--
	06/18/92	32.52		24.73	0.00	--	--	--	--	--	--
	10/16/92	35.24		22.01	0.00	ND	ND	ND	ND	ND	--
	11/18/92	35.59		21.66	0.00	--	--	--	--	--	--
	03/03/93	25.66		31.59	0.00	ND	ND	ND	ND	ND	--
	06/25/93	28.25		29.00	0.00	--	--	--	--	--	--
	09/03/93	30.60		26.65	0.00	ND	ND	ND	ND	ND	--
	12/13/93	32.45		24.80	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	03/18/94	29.76		27.49	0.00	ND	ND	ND	ND	ND	--
	06/23/94	31.10		26.15	0.00	--	--	--	--	--	--
	09/21/94	32.96		24.29	0.00	ND	0.5	ND	ND	0.89	--
	12/19/94	30.60		26.65	0.00	--	--	--	--	--	--
	03/27/95	22.43		34.82	0.00	ND	ND	0.54	ND	1.9	--
	06/26/95	25.55		31.70	0.00	--	--	--	--	--	--
	07/28/95	26.84		30.41	0.00	--	--	--	--	--	--
	09/28/95	29.29		27.96	0.00	ND	ND	ND	ND	ND	-- <sup>3</sup>
	10/24/95	30.05		27.20	0.00	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7 (cont)	12/29/95	29.91	24.0-44.0	27.34	0.00	--	--	--	--	--	--
	03/27/96	21.94		35.31	0.00	ND	ND	1.1	ND	1.7	ND
	09/21/96	29.07		28.18	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	24.02		33.23	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	30.84		26.41	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	16.68		40.57	0.00	ND	ND	ND	ND	ND	4.1
	09/09/98	25.89		31.36	0.00	ND	ND	0.91	ND	1.6	5.7
	03/11/99	23.16		34.09	0.00	ND	ND	ND	ND	ND	2.7
	09/08/99	28.32		28.93	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	21.23		36.02	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	27.83		29.42	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	25.15		32.10	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	28.49		28.76	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/15/02	24.96		32.29	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	09/26/02 <sup>11</sup>	29.09		28.16	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
03/16/03 <sup>11</sup>	26.33		30.92	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
09/03/03 <sup>11</sup>	29.14		28.11	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
MW-8 57.71	02/16/90	35.10	24.0-44.0	22.61	0.00	1,900	11	ND	52	55	--
	05/01/90	--		--	--	770	6.5	ND	20	32	--
	07/19/90	35.41		22.30	0.00	--	--	--	--	--	--
	08/24/90	36.00		21.71	0.00	990	13	ND	48	66	--
	11/30/90	37.08		20.63	0.00	570	13	ND	45	36	--
	02/06/91	36.92		20.79	0.00	630	9.6	ND	35	36	--
	05/06/91	33.03		24.68	0.00	14,000	80	ND	250	550	--
	09/27/91	36.55		21.16	0.00	720	13	4.3	26	26	--
	12/27/91	37.34		20.37	0.00	1,600	15	2.9	40	49	--
	03/31/92	31.93 <sup>6</sup>		25.78	0.00	15,000	120	1.0	430	530	--
	06/18/92	INACCESSIBLE		--	--	--	--	--	--	--	--
10/16/92	35.58		22.13	0.00	300	0.96	ND	4.0	3.5	--	



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product						
					Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	11/18/92	35.94	24.0-44.0	21.77	0.00	1,100	6.1	ND	13	5.6	--
(cont)	03/03/93	26.00		31.71	0.00	13,000	33	ND	160	290	--
	06/25/93	28.27		29.44	0.00	8,100	160	ND	580	740	--
	09/03/93	30.90		26.81	0.00	9,800	180	ND	580	700	--
	12/13/93	32.75		24.96	0.00	6,900	180	ND	240	550	--
	03/18/94	30.12		27.59	0.00	6,100	85	ND	260	260	--
	06/23/94	31.40		26.31	0.00	12,000	210	ND	610	860	--
	09/21/94	33.30		24.41	0.00	6,900	190	ND	460	510	--
	12/19/94	30.95		26.76	0.00	6,200	91	ND	230	210	--
	03/27/95 <sup>2</sup>	22.78		34.93	0.00	9,200	240	ND	200	1,400	--
	06/26/95	24.83		32.88	0.00	11,000	320	ND	680	2,000	--
	07/28/95	27.10		30.61	0.00	--	--	--	--	--	--
	09/28/95	29.58		28.13	0.00	10,000	250	ND	760	910	-- <sup>3</sup>
	10/24/95	30.40		27.31	0.00	--	--	--	--	--	--
	12/29/95	30.25		27.46	0.00	7,500	260	ND	580	870	-- <sup>4</sup>
	03/27/96	22.20		35.51	0.00	970	29	0.77	82	85	ND
	09/21/96	29.34		28.37	0.00	3,800	27	ND	46	45	ND
	03/31/97	24.35		33.36	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	31.15		26.56	0.00	78	0.90	ND	12	ND	ND
	03/20/98	16.84		40.87	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	26.14		31.57	0.00	910	ND	49	12	2.2	1.5
	03/11/99	23.48		34.23	0.00	4,700	9.6	ND <sup>5</sup>	280	95	ND <sup>5</sup>
	09/08/99	28.60		29.11	0.00	1,900 <sup>7</sup>	ND <sup>5</sup>	ND <sup>5</sup>	36	ND <sup>5</sup>	ND <sup>5</sup>
	03/24/00	21.49		36.22	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	28.09		29.62	0.00	533 <sup>9</sup>	2.23	ND	6.27	0.684	ND
	03/16/01	25.43		32.28	0.00	1,000	ND	ND	17.8	44.5	ND
	08/31/01	28.89		28.82	0.00	6,500 <sup>10</sup>	8.6	7.4	420	1,900	<25
	03/15/02	25.45		32.26	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/26/02 <sup>11</sup>	29.37		28.34	0.00	290	<0.50	<0.50	0.65	<1.0	<2.0
	03/16/03 <sup>11</sup>	26.65		31.06	0.00	INACCESSIBLE - CAR PARKED OVER WELL					--
	09/03/03 <sup>11</sup>	29.46		28.25	0.00	450 <sup>12</sup>	<0.50	0.69	<0.50	<1.0	<2.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9											
56.47	12/19/94	29.71	20.0-45.0	26.76	0.00	ND	ND	1.6	1.5	8.4	--
	03/27/95	21.48		34.99	0.00	ND	ND	0.61	ND	2.8	--
	06/26/95	24.50		31.97	0.00	ND	ND	ND	ND	3.9	--
	07/28/95	25.77		30.70	0.00	--	--	--	--	--	--
	09/28/95	28.23		28.24	0.00	ND	ND	ND	ND	ND	--
	10/24/95	29.21		27.26	0.00	--	--	--	--	--	--
	12/29/95	29.02		27.45	0.00	ND	ND	0.58	ND	0.52	--
	03/27/96	20.91		35.56	0.00	ND	ND	0.68	ND	0.51	ND
	09/21/96	28.05		28.42	0.00	ND	ND	ND	ND	ND	ND
	03/31/97	23.48		32.99	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	30.38		26.09	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	15.60		40.87	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	24.85		31.62	0.00	ND	0.69	ND	ND	0.61	ND
	03/11/99	22.23		34.24	0.00	ND	ND	ND	ND	0.76	ND
	09/08/99	27.34		29.13	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	20.27		36.20	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	26.84		29.63	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	24.24		32.23	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	27.43		29.04	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/15/02	24.79		31.68	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/26/02 <sup>11</sup>	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/16/03	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/03/03	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
MW-10											
58.94	07/28/95	25.53	20.0-45.0	33.41	0.00	ND	ND	ND	ND	ND	--
	09/28/95	--		--	--	--	--	--	--	--	--
	10/24/95	31.76		27.18	0.00	ND	ND	ND	ND	ND	--
	12/29/95	31.55		27.39	0.00	ND	ND	0.65	ND	1.1	--
	03/27/96	23.62		35.32	0.00	ND	ND	0.68	ND	0.69	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msf)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	09/21/96	30.77	20.0-45.0	28.17	0.00	ND	ND	ND	ND	ND	ND
(cont)	03/31/97	26.05		32.89	0.00	ND	ND	ND	ND	ND	ND
	09/27/97	32.80		26.14	0.00	ND	ND	ND	ND	ND	ND
	03/20/98	18.13		40.81	0.00	ND	ND	ND	ND	ND	ND
	09/09/98	27.54		31.40	0.00	ND	ND	0.55	ND	ND	ND
	03/11/99	24.85		34.09	0.00	ND	ND	0.61	ND	0.87	ND
	09/08/99	29.97		28.97	0.00	ND	ND	ND	ND	ND	ND
	03/24/00	22.90		36.04	0.00	ND	ND	ND	ND	ND	ND
	09/15/00	29.48		29.46	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	26.80		32.14	0.00	ND	ND	ND	ND	ND	ND
	08/31/01	30.05		28.89	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/15/02	26.61		32.33	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	09/26/02 <sup>11</sup>	30.68		28.26	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	03/16/03	INACCESSIBLE - DUE TO FLOODING			--	--	--	--	--	--	--
	09/03/03 <sup>11</sup>	38.87		20.07	0.00	<50	<0.50	1.8	<0.50	<1.0	<2.0
<b>Trip Blank</b>											
TB-LB	03/20/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/09/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/11/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/08/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/24/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/15/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/16/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	08/31/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	03/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	09/26/02 <sup>11</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	03/16/03 <sup>11</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	09/03/03 <sup>11</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to March 20, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	(ppb) = Parts per billion
(ft.) = Feet	B = Benzene	(ppm) = Parts per million
DTW = Depth to Water	T = Toluene	ND = Not Detected
S.I. = Screen Interval	E = Ethylbenzene	-- = Not Measured/Not Analyzed
(ft.bgs) = Feet Below Ground Surface	X = Xylenes	QA = Quality Assurance/Trip Blank
GWE = Groundwater Elevation	MTBE = Methyl tertiary butyl ether	
(msl) = Mean sea level		

\* TOC elevations have been surveyed relative to msl.

\*\* GWE was not corrected due to the presence of free product.

- 1 Chromatogram contains early eluting peak.
- 2 On March 27, 1995, Total Dissolved Solid concentrations were as follows: MW-2 at 410 ppm; MW-3 at 450 ppm; MW-8 at 490 ppm.
- 3 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 4 Laboratory has identified the presence of MTBE at a level above or equal to the taste odor threshold of 40 ppb in the groundwater sample from this well.
- 5 Detection limit raised. Refer to analytical reports.
- 6 Data suspect; not used in water-elevation determination.
- 7 Laboratory report indicates gasoline C6-C12.
- 8 MTBE by EPA Method 8260.
- 9 Laboratory report indicates weathered gasoline C6-C12.
- 10 Laboratory report indicates unidentified hydrocarbons C6-C10.
- 11 TPH-G, BTEX and MTBE by EPA Method 8260.
- 12 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	09/26/02	--	--	<100	--	--	--	--	--
	03/16/03	<250,000	<50,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
MW-2	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-3	09/15/00	<1,000	<100	12.6	<2.00	<2.00	<2.00	<2.00	<2.00
	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-4	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-5	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-6	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-7	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-8	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	INACCESSIBLE - CAR PARKED OVER WELL			--	--	--	--	--

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #5367  
 500 Bancroft Avenue  
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-9	09/26/02	INACCESSIBLE - PAVED OVER			--	--	--	--	--
	03/16/03	INACCESSIBLE - PAVED OVER			--	--	--	--	--
MW-10	09/26/02	--	--	<2.0	--	--	--	--	--
	03/16/03	INACCESSIBLE - DUE TO FLOODING			--	--	--	--	--

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

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**EXPLANATIONS:**

TBA = Tertiary butyl alcohol  
MTBE = Methyl tertiary butyl ether  
DIPE = Di-isopropyl ether  
ETBE = Ethyl tertiary butyl ether  
TAME = Tertiary amyl methyl ether  
(ppb) = Parts per billion

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

**Table 3**  
**Dissolved Oxygen Concentrations**  
**Tosco (Unocal) Service Station #5367**  
**500 Bancroft Avenue**  
**San Leandro, California**

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	03/27/95 <sup>1</sup>	--	1.5
	06/26/95	--	1.60
	09/28/95	--	1.22
	12/29/95	--	1.74
	03/27/96	1.48	1.02
	09/21/96	--	1.01
	03/31/97	1.47	1.49
MW-2	03/27/95 <sup>1</sup>	--	1.7
	06/26/95	--	4.55
	09/28/95	--	3.00
	12/29/95	--	8.71
	03/27/96	--	--
	09/21/96	--	--
	03/31/97	2.18	2.12
MW-3	03/27/95 <sup>1</sup>	--	0.90
	06/26/95	--	1.55
	09/28/95	--	1.63
	12/29/95	--	6.97
	03/27/96	--	--
	09/21/96	--	--
	03/31/97	1.95	2.06
MW-4	03/27/95 <sup>1</sup>	--	4.90
	06/26/95	--	--
	09/28/95	--	6.29
	12/29/95	--	--
	03/27/96	4.32	3.91
	09/21/96	--	2.82
	03/31/97	2.66	2.63
MW-5	03/27/95 <sup>1</sup>	--	5.20
	06/26/95	--	--
	09/28/95	--	1.96
	12/29/95	--	--
	03/27/96	4.03	4.71
	09/21/96	--	4.12
	03/31/97	2.98	3.11



**Table 3**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-6	03/27/95 <sup>1</sup>	--	7.4
	06/26/95	--	--
	09/28/95	--	4.19
	12/29/95	--	--
	03/27/96	5.94	4.96
	09/21/96	--	3.74
	03/31/97	3.21	3.11
MW-7	03/27/95 <sup>1</sup>	--	8.4
	06/26/95	--	--
	09/28/95	--	2.04
	12/29/95	--	--
	03/27/96	6.63	5.23
	09/21/96	--	1.19
	03/31/97	2.29	2.16
MW-8	03/27/95 <sup>1</sup>	--	2.2
	06/26/95	--	3.86
	09/28/95	--	1.85
	12/29/95	--	2.03
	03/27/96	11.73	9.76
	09/21/96	--	2.16
	03/31/97	2.81	2.91
	09/27/97	3.11	--
03/20/98	--	2.65	
MW-9	03/27/95 <sup>1</sup>	--	7.8
	06/26/95	--	4.61
	09/28/95	--	5.76
	12/29/95	--	5.32
	03/27/96	5.62	5.23
	09/21/96	--	4.13
	03/31/97	3.36	3.27
MW-10	12/29/95	--	5.11
	03/27/96	4.38	4.57
	09/21/96	--	5.38
	03/31/97	4.48	4.83

**Table 3**  
**Dissolved Oxygen Concentrations**  
Tosco (Unocal) Service Station #5367  
500 Bancroft Avenue  
San Leandro, California

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**EXPLANATIONS:**

Dissolved oxygen concentrations prior to March 20, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

<sup>1</sup> The measurements were taken at Sequoia Analytical Laboratory.

## 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#5367 Job Number: 180108  
 Site Address: 500 Bancroft Avenue Event Date: 9/3/03 (inclusive)  
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-1 Date Monitored: 9/3/03 Well Condition: OK  
 Well Diameter: 21.4 in.  
 Total Depth: 34.89 ft.  
 Depth to Water: 29.54 ft.  
5.35 xVF 0.17 = 0.91 x3 (case volume) = Estimated Purge Volume: 2.73 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

<b>Purge Equipment:</b>	<b>Sampling Equipment:</b>
Disposable Bailer _____	Disposable Bailer <input checked="" type="checkbox"/>
Stainless Steel Bailer _____	Pressure Bailer _____
Stack Pump <input checked="" type="checkbox"/>	Discrete Bailer _____
Suction Pump _____	Other: _____
Grundfos _____	
Other: _____	

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1350 Weather Conditions: Sunny  
 1410 Sample Time/Date: 1400 9/3/03 Water Color: cloudy Odor: yes  
 Purging Flow Rate: 4 gpm. Sediment Description: none  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1353</u>	<u>0.5</u>	<u>6.55</u>	<u>742</u>	<u>20.0</u>		
<u>1356</u>	<u>1.0</u>	<u>6.45</u>	<u>716</u>	<u>19.7</u>		
<u>1400</u>	<u>203.0</u>	<u>6.45</u>	<u>721</u>	<u>19.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: \_\_\_\_\_  
 Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367 Job Number: 180108  
 Site Address: 500 Bancroft Avenue Event Date: 9/3/03 (inclusive)  
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-2 Date Monitored: 9/3/03 Well Condition: OK  
 Well Diameter: 2 (4) in.  
 Total Depth: 46.45 ft.  
 Depth to Water: 29.34 ft.  
17.11 xVF 0.66 = 2.91 x3 (case volume) = Estimated Purge Volume: 8.73 gal. <sup>3387</sup>  
 Volume Factor (VF) table:  

3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

<b>Purge Equipment:</b>	<b>Sampling Equipment:</b>	<b>Time Started:</b> _____ (2400 hrs)
Disposable Bailer _____	Disposable Bailer <input checked="" type="checkbox"/>	Time Bailed: _____ (2400 hrs)
Stainless Steel Bailer _____	Pressure Bailer _____	Depth to Product: _____ ft
Stack Pump <input checked="" type="checkbox"/>	Discrete Bailer _____	Depth to Water: _____ ft
Suction Pump _____	Other: _____	Hydrocarbon Thickness: _____ ft
Grundfos _____		Visual Confirmation/Description: _____
Other: _____		Skimmer / Absorbant Sock (circle one)
		Amt Removed from Skimmer: _____ gal
		Amt Removed from Well: _____ gal
		Product Transferred to: _____

Start Time (purge): 1250 Weather Conditions: Sunny  
 Sample Time/Date: 1305 9/3/03 Water Color: Brown Odor: None  
 Purging Flow Rate: 4 gpm. Sediment Description: some silty sand  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1253</u>	<u>12</u>	<u>6.57</u>	<u>568</u>	<u>20.3</u>		
<u>1256</u>	<u>24</u>	<u>6.58</u>	<u>582</u>	<u>19.8</u>		
<u>1259</u>	<u>36</u>	<u>6.59</u>	<u>591</u>	<u>19.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-3  
 Well Diameter: 2 1/4 in.  
 Total Depth: 47.85 ft.  
 Depth to Water: 29.04 ft.  
18.81

Date Monitored: 9/3/03 Well Condition: OK

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 0.66 = 12.41 x3 (case volume) = Estimated Purge Volume: 37.24 gal.  
7.6

### 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: \_\_\_\_\_ 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): 1315 Weather Conditions: Sunny  
 Sample Time/Date: 1340 9/3/03 Water Color: Clear Odor: Yes  
 Purging Flow Rate: 4 gpm. Sediment Description: NONE  
 Did well de-water? NO If yes, Time: Ø Volume: Ø gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1318</u>	<u>12</u>	<u>6.56</u>	<u>588</u>	<u>22.2</u>		
<u>1321</u>	<u>24</u>	<u>6.39</u>	<u>603</u>	<u>20.3</u>		
<u>1335</u>	<u>40</u>	<u>6.45</u>	<u>612</u>	<u>20.0</u>		

### LABORATORY INFORMATION

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

### COMMENTS:

\_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367 Job Number: 180108  
 Site Address: 500 Bancroft Avenue Event Date: 9/3/03 (inclusive)  
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-4 Date Monitored: 9/3/03 Well Condition: OK  
 Well Diameter: 2 1/4 in.  
 Total Depth: 48.24 ft.  
 Depth to Water: 29.99 ft.  
18.25 x VF 0.66 = 12.04 x3 (case volume) = Estimated Purge Volume: 36.12 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:	_____ 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): 1200 Weather Conditions: Sunny  
 Sample Time/Date: 1215 9/3/03 Water Color: cloud Odor: None  
 Purging Flow Rate: 4 gpm. Sediment Description: None  
 Did well de-water? No If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>1203</u>	<u>812</u>	<u>6.97</u>	<u>595</u>	<u>20.1</u>		
<u>1206</u>	<u>764</u>	<u>6.64</u>	<u>582</u>	<u>19.0</u>		
<u>1209</u>	<u>36</u>	<u>6.65</u>	<u>599</u>	<u>20.0</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

### COMMENTS:

\_\_\_\_\_

Add/Replaced Lock:  Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-5  
 Well Diameter: 21.4 in.  
 Total Depth: 44.15 ft.  
 Depth to Water: 30.04 ft.  
14.11

Date Monitored: 9/3/03 Well Condition: OK

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

14.11 x VF 0.17 = 2.40 x3 (case volume) = Estimated Purge Volume: 7.2 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:	_____ 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): 1230 Weather Conditions: Sunny  
 Sample Time/Date: 1740 9/3/03 Water Color: cloudy/clear Odor: NONE  
 Purging Flow Rate: 2 gpm. Sediment Description: NONE  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1231</u>	<u>2</u>	<u>6.47</u>	<u>589</u>	<u>20.2</u>	_____	_____
<u>1232</u>	<u>4</u>	<u>6.56</u>	<u>571</u>	<u>19.6</u>	_____	_____
<u>1234</u>	<u>8</u>	<u>6.68</u>	<u>572</u>	<u>19.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's (8260)</u>

### COMMENTS:

\_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-6 Date Monitored: 9/3/03 Well Condition: OK

Well Diameter: 21.4 in.

Total Depth: 44.20 ft.

Depth to Water: 28.78 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

15.42 xVF 0.17 = 2.62 x3 (case volume) = Estimated Purge Volume: 7.86 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:	_____ 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): 1140 Weather Conditions: Sunny  
 Sample Time/Date: 1148 9/3/03 Water Color: Clearly Brown Odor: NONE  
 Purging Flow Rate: 2 gpm. Sediment Description: NONE  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1141</u>	<u>2</u>	<u>6.41</u>	<u>533</u>	<u>20.0</u>		
<u>1142</u>	<u>4</u>	<u>6.51</u>	<u>536</u>	<u>19.8</u>		
<u>1144</u>	<u>8</u>	<u>6.54</u>	<u>526</u>	<u>19.7</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-7 Date Monitored: 9/3/03 Well Condition: OK

Well Diameter: 2 1/4 in.

Total Depth: 42.95 ft.

Depth to Water: 29.14 ft.

13.81

xVF 0.17 = 2.35 x3 (case volume) = Estimated Purge Volume: 7.05 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: \_\_\_\_\_ 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): 1120 Weather Conditions: Sunny  
 Sample Time/Date: 1130 9/3/03 Water Color: Cloudy Brown Odor: None  
 Purging Flow Rate: 2 gpm. Sediment Description: None  
 Did well de-water? NO If yes, Time: 9 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1121</u>	<u>2</u>	<u>6.49</u>	<u>936</u>	<u>23.2</u>		
<u>1122</u>	<u>4</u>	<u>6.48</u>	<u>572</u>	<u>15.1</u>		
<u>1124</u>	<u>8</u>	<u>6.49</u>	<u>587</u>	<u>13.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3</u> x vovial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-8  
 Well Diameter: 21.4 in.  
 Total Depth: 48.44 ft.  
 Depth to Water: 29.46 ft.  
13.98

Date Monitored: 9/3/03 Well Condition: OK

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 = 2.38 x3 (case volume) = Estimated Purge Volume: 7.14 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: \_\_\_\_\_ 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): 1050 Weather Conditions: Sunny  
 Sample Time/Date: 1059 9/3/03 Water Color: Grayish Odor: yes  
 Purging Flow Rate: 2 gpm. Sediment Description: NONE  
 Did well de-water? NO If yes, Time: Ø Volume: Ø gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1051</u>	<u>2</u>	<u>6.51</u>	<u>768</u>	<u>19.4</u>		
<u>1052</u>	<u>4</u>	<u>6.54</u>	<u>745</u>	<u>19.3</u>		
<u>1054</u>	<u>8</u>	<u>6.59</u>	<u>745</u>	<u>19.9</u>		

### LABORATORY INFORMATION

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

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-9  
 Well Diameter: 214 in.  
 Total Depth: 44.53 ft.  
 Depth to Water: \_\_\_\_\_ ft.

Date Monitored: 9/3/03 Well Condition: OK \*

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 x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ 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: \_\_\_\_\_ ft  
 Visual Confirmation/Description:  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

*Possibly Paved over*

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: \_\_\_\_\_ / \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ 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)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5367  
 Site Address: 500 Bancroft Avenue  
 City: San Leandro, CA

Job Number: 180108  
 Event Date: 9/3/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-10  
 Well Diameter: 21.4 in.  
 Total Depth: 44.55 ft.  
 Depth to Water: 38.87 ft.  
5.68

Date Monitored: 9/3/03 Well Condition: OK

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 = 0.97 x3 (case volume) = Estimated Purge Volume: 2.01 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: \_\_\_\_\_ 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): 1010 Weather Conditions: Overcast  
 Sample Time/Date: 1030 / 9/3/03 Water Color: cloudy Odor: none  
 Purging Flow Rate: NA gpm. Sediment Description: none  
 Did well de-water? no If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1015</u>	<u>0.5</u>	<u>6.56</u>	<u>630</u>	<u>17.1</u>		
<u>1017</u>	<u>1.0</u>	<u>6.43</u>	<u>601</u>	<u>18.1</u>		
<u>1023</u>	<u>2.00</u>	<u>6.36</u>	<u>585</u>	<u>18.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_

2003-09-0147

Gettler-Ryan Inc., Chain-of-Custody

Tosco Corp./  
Phillips 66 Co.  
2000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

Facility Number 45387  
Facility Address 500 BANCROFT AVE., SAN LEANDRO, CA  
Global ID T0600101479 Project 180108.80  
Client Contact MR. DAVID B. DEWITT  
Phone 916-558-7666

Laboratory Name STL - PLEASANTON, CA  
Consultant GETTLER-RYAN, INC. DEANNA L. HARDING  
Address 6747 SIERRA CT., SUITE J, DUBLIN CA 94568  
Phone (925) 551-7555 Fax (925) 551-7899  
Samples Collected by Andrew Smith

SAMPLE ID	Number of Containers Matrix	S = Soil A = Air W = Water C = Chloroform	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS CA, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HMOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SMOC'S EPA 8270	Remarks
QA	1	W	HCL	9/3/03					X									
MW-1	3	W	HCL	9/3/03 1410					X									
MW-2				1305					X									
MW-3				1340					X									
MW-4				1215					X									
MW-5				1248					X									
MW-6				1248					X									
MW-7				1130					X									
MW-8				1059					X									
MW-10				1030					X									

2.2

- OXYGENATES 8260
- 1 - MTBE
  - 2 - TBA
  - 3 - TAME
  - 4 - DIPE
  - 5 - ETBE
  - 6 - 1,2-DCA
  - 7 - EDB
  - 8 - ETHANOL

Relinquished By (Signature) <i>Andrew Smith</i>	Organization GRI	Date/Time 9/3/03 1530	Received By (Signature) <i>David Dewitt</i>	Organization G-R	Date/Time 9/3/03	Iced <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <i>David Dewitt</i>	Organization G-R	Date/Time 9/04/03	Received By (Signature) <i>David Dewitt</i>	Organization STL-SF	Date/Time 9/14/03	Iced Y/N	
Relinquished By (Signature) <i>David Dewitt</i>	Organization STL-SF	Date/Time 9/16/03 1741	Received For Laboratory (Signature) <i>David Dewitt</i>	Organization STL-SF	Date/Time 9/16/03 1741	Iced Y/N	

FILE NAME: P:\ADMIN\K-C\CHANGES\STL-CC-03.DWG | Layout: Top | kccy

Gettler Ryan

September 21, 2003

6747 Sierra Court Suite J  
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180108.80

Project: Conoco #5367

Site: 500 Bancroft Ave., San Leandro, CA

Dear Ms. Harding,

Attached is our report for your samples received on 09/04/2003 17:41


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 10/19/2003 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](mailto: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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	09/03/2003	Water	1
MW-1	09/03/2003 14:10	Water	2
MW-2	09/03/2003 13:05	Water	3
MW-3	09/03/2003 13:40	Water	4
MW-4	09/03/2003 12:15	Water	5
MW-5	09/03/2003 12:40	Water	6
MW-6	09/03/2003 12:48	Water	7
MW-7	09/03/2003 11:30	Water	8
MW-8	09/03/2003 10:59	Water	9
MW-10	09/03/2003 10:30	Water	10



**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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2003-09-0147 - 1
Sampled:	09/03/2003	Extracted:	9/12/2003 15:43
Matrix:	Water	QC Batch#:	2003/09/12-1E.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/12/2003 15:43	
Benzene	ND	0.50	ug/L	1.00	09/12/2003 15:43	
Toluene	ND	0.50	ug/L	1.00	09/12/2003 15:43	
Ethylbenzene	ND	0.50	ug/L	1.00	09/12/2003 15:43	
Total xylenes	ND	1.0	ug/L	1.00	09/12/2003 15:43	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/12/2003 15:43	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.7	76-114	%	1.00	09/12/2003 15:43	
Toluene-d8	105.2	88-110	%	1.00	09/12/2003 15:43	

**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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2003-09-0147 - 2
Sampled: 09/03/2003 14:10	Extracted: 9/12/2003 16:06
Matrix: Water	QC Batch#: 2003/09/12-1E.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	55000	5000	ug/L	100.00	09/12/2003 16:06	9
Benzene	ND	50	ug/L	100.00	09/12/2003 16:06	
Toluene	ND	50	ug/L	100.00	09/12/2003 16:06	
Ethylbenzene	2200	50	ug/L	100.00	09/12/2003 16:06	
Total xylenes	4200	100	ug/L	100.00	09/12/2003 16:06	
Methyl tert-butyl ether (MTBE)	ND	200	ug/L	100.00	09/12/2003 16:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.4	76-114	%	100.00	09/12/2003 16:06	
Toluene-d8	106.7	88-110	%	100.00	09/12/2003 16:06	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2	Lab ID: 2003-09-0147 - 3
Sampled: 09/03/2003 13:05	Extracted: 9/12/2003 20:01
Matrix: Water	QC Batch#: 2003/09/12-1E.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/12/2003 20:01	
Benzene	ND	0.50	ug/L	1.00	09/12/2003 20:01	
Toluene	0.71	0.50	ug/L	1.00	09/12/2003 20:01	
Ethylbenzene	ND	0.50	ug/L	1.00	09/12/2003 20:01	
Total xylenes	ND	1.0	ug/L	1.00	09/12/2003 20:01	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/12/2003 20:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.9	76-114	%	1.00	09/12/2003 20:01	
Toluene-d8	102.6	88-110	%	1.00	09/12/2003 20:01	

**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: 180108.80  
Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2003-09-0147 - 4
Sampled: 09/03/2003 13:40	Extracted: 9/15/2003 11:56
Matrix: Water	QC Batch#: 2003/09/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1300	50	ug/L	1.00	09/15/2003 11:56	g
Benzene	ND	0.50	ug/L	1.00	09/15/2003 11:56	
Toluene	0.53	0.50	ug/L	1.00	09/15/2003 11:56	
Ethylbenzene	19	0.50	ug/L	1.00	09/15/2003 11:56	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2003 11:56	
Methyl tert-butyl ether (MTBE)	5.9	2.0	ug/L	1.00	09/15/2003 11:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.3	76-114	%	1.00	09/15/2003 11:56	
Toluene-d8	103.6	88-110	%	1.00	09/15/2003 11:56	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

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Project: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2003-09-0147 - 5
Sampled:	09/03/2003 12:15	Extracted:	9/12/2003 20:46
Matrix:	Water	QC Batch#:	2003/09/12-1E.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/12/2003 20:46	
Benzene	ND	0.50	ug/L	1.00	09/12/2003 20:46	
Toluene	0.58	0.50	ug/L	1.00	09/12/2003 20:46	
Ethylbenzene	ND	0.50	ug/L	1.00	09/12/2003 20:46	
Total xylenes	ND	1.0	ug/L	1.00	09/12/2003 20:46	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/12/2003 20:46	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.4	76-114	%	1.00	09/12/2003 20:46	
Toluene-d8	108.4	88-110	%	1.00	09/12/2003 20:46	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

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Dublin, CA 94568

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

Project: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-5	Lab ID: 2003-09-0147 - 6
Sampled: 09/03/2003 12:40	Extracted: 9/12/2003 22:16
Matrix: Water	QC Batch#: 2003/09/12-1E.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/12/2003 22:16	
Benzene	ND	0.50	ug/L	1.00	09/12/2003 22:16	
Toluene	ND	0.50	ug/L	1.00	09/12/2003 22:16	
Ethylbenzene	ND	0.50	ug/L	1.00	09/12/2003 22:16	
Total xylenes	ND	1.0	ug/L	1.00	09/12/2003 22:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/12/2003 22:16	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.1	76-114	%	1.00	09/12/2003 22:16	
Toluene-d8	104.4	88-110	%	1.00	09/12/2003 22:16	

**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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2003-09-0147 - 7
Sampled:	09/03/2003 12:48	Extracted:	9/15/2003 12:17
Matrix:	Water	QC Batch#:	2003/09/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/2003 12:17	
Benzene	ND	0.50	ug/L	1.00	09/15/2003 12:17	
Toluene	ND	0.50	ug/L	1.00	09/15/2003 12:17	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2003 12:17	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2003 12:17	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/15/2003 12:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	85.2	76-114	%	1.00	09/15/2003 12:17	
Toluene-d8	97.7	88-110	%	1.00	09/15/2003 12:17	

**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: 180108.80  
Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-7	Lab ID: 2003-09-0147 - 8
Sampled: 09/03/2003 11:30	Extracted: 9/15/2003 12:39
Matrix: Water	QC Batch#: 2003/09/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/2003 12:39	
Benzene	ND	0.50	ug/L	1.00	09/15/2003 12:39	
Toluene	ND	0.50	ug/L	1.00	09/15/2003 12:39	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2003 12:39	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2003 12:39	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/15/2003 12:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	79.9	76-114	%	1.00	09/15/2003 12:39	
Toluene-d8	98.5	88-110	%	1.00	09/15/2003 12:39	



**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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-8	Lab ID: 2003-09-0147 - 9
Sampled: 09/03/2003 10:59	Extracted: 9/15/2003 13:01
Matrix: Water	QC Batch#: 2003/09/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	450	50	ug/L	1.00	09/15/2003 13:01	g
Benzene	ND	0.50	ug/L	1.00	09/15/2003 13:01	
Toluene	0.69	0.50	ug/L	1.00	09/15/2003 13:01	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2003 13:01	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2003 13:01	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/15/2003 13:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	87.2	76-114	%	1.00	09/15/2003 13:01	
Toluene-d8	106.2	88-110	%	1.00	09/15/2003 13:01	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

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Dublin, CA 94568

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

Project: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-10	Lab ID: 2003-09-0147 - 10
Sampled: 09/03/2003 10:30	Extracted: 9/15/2003 13:23
Matrix: Water	QC Batch#: 2003/09/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/2003 13:23	
Benzene	ND	0.50	ug/L	1.00	09/15/2003 13:23	
Toluene	1.8	0.50	ug/L	1.00	09/15/2003 13:23	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2003 13:23	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2003 13:23	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/15/2003 13:23	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	87.9	76-114	%	1.00	09/15/2003 13:23	
Toluene-d8	104.5	88-110	%	1.00	09/15/2003 13:23	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

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Dublin, CA 94568

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

Project: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/09/12-1E.65-049

Water

Test(s): 8260FAB

QC Batch # 2003/09/12-1E.65

Date Extracted: 09/12/2003 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/12/2003 10:49	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	09/12/2003 10:49	
Benzene	ND	0.5	ug/L	09/12/2003 10:49	
Toluene	ND	0.5	ug/L	09/12/2003 10:49	
Ethylbenzene	ND	0.5	ug/L	09/12/2003 10:49	
Total xylenes	ND	1.0	ug/L	09/12/2003 10:49	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.0	76-114	%	09/12/2003 10:49	
Toluene-d8	102.8	88-110	%	09/12/2003 10:49	

**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: 180108.80  
Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260FAB	
Method Blank				QC Batch # 2003/09/15-1A.64	
MB: 2003/09/15-1A.64-034				Date Extracted: 09/15/2003 11:34	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/15/2003 11:34	
Benzene	ND	0.5	ug/L	09/15/2003 11:34	
Toluene	ND	0.5	ug/L	09/15/2003 11:34	
Ethylbenzene	ND	0.5	ug/L	09/15/2003 11:34	
Total xylenes	ND	1.0	ug/L	09/15/2003 11:34	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	09/15/2003 11:34	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	84.6	76-114	%	09/15/2003 11:34	
Toluene-d8	98.0	88-110	%	09/15/2003 11:34	

**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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/09/12-1E.65**

LCS 2003/09/12-1E.65-004

Extracted: 09/12/2003

Analyzed: 09/12/2003 10:04

LCSD 2003/09/12-1E.65-026

Extracted: 09/12/2003

Analyzed: 09/12/2003 10:26

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.6	19.8	25	82.4	79.2	4.0	65-165	20		
Benzene	22.7	22.8	25	90.8	91.2	0.4	69-129	20		
Toluene	23.1	23.7	25	92.4	94.8	2.6	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	501	464	500	100.2	92.8		76-114			
Toluene-d8	513	518	500	102.6	103.6		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: 180108.80

Conoco #5367

Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/09/15-1A.64**

LCS 2003/09/15-1A.64-050

Extracted: 09/15/2003

Analyzed: 09/15/2003 10:50

LCSD 2003/09/15-1A.64-012

Extracted: 09/15/2003

Analyzed: 09/15/2003 11:12

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	20.1	21.7	25	80.4	86.8	7.7	69-129	20		
Toluene	21.6	23.3	25	86.4	93.2	7.6	70-130	20		
Methyl tert-butyl ether (MTBE)	18.9	18.1	25	75.6	72.4	4.3	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	431	407	500	86.2	81.4		76-114			
Toluene-d8	495	499	500	99.0	99.8		88-110			

09/16/2003 15:55

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

**Gas/BTEX Fuel Oxygenates by 8260B**

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Received: 09/04/2003 17:41

Site: 500 Bancroft Ave., San Leandro, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>		<b>QC Batch # 2003/09/15-1A.64</b>
MW-6 >> MS			Lab ID: 2003-09-0147 - 007
MS: 2003/09/15-1A.64-057	Extracted: 09/15/2003		Analyzed: 09/15/2003 17:57
			Dilution: 1.00
MSD: 2003/09/15-1A.64-019	Extracted: 09/15/2003		Analyzed: 09/15/2003 18:19
			Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	22.2	22.4	ND	25	88.8	89.6	0.9	69-129	20		
Toluene	25.3	25.1	ND	25	101.2	100.4	0.8	70-130	20		
Methyl tert-butyl ether	20.0	19.7	ND	25	80.0	78.8	1.5	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	406	409		500	81.2	81.8		76-114			
Toluene-d8	501	520		500	100.2	104.1		88-110			

**Gas/BTEX Fuel Oxygenates by 8260B**

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**Legend and Notes**

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**Result Flag**

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