



2000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

Phone: (925) 277-2305  
Fax: (925) 277-2361

Environmental Department

May 22, 2003

**Re: Tosco (Unocal) Service Station #5760  
376 Lewelling Blvd.  
San Lorenzo, California**

Alameda County  
MAY 28 2003  
Environmental Health

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

A handwritten signature in cursive script that reads "David B. DeWitt".

David B. DeWitt  
Site Manager  
ConocoPhillips



# GETTLER-RYAN INC.

## TRANSMITTAL

May 7, 2003  
G-R #180109

TO: Mr. David B. De Witt  
ConocoPhillips  
76 Broadway Avenue  
Sacramento, California 94608

Alameda County  
CC:

MAY 28 2003

Environmental Health

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  
#5760  
376 Lewelling Boulevard  
San Lorenzo, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 5, 2003	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of March 28, 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 **May 21, 2003**, this report will be distributed to the following:

cc: Mr. Amir K. Gholami, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501

Enclosure

trans/5760-dbd



# GETTLER-RYAN INC.

May 5, 2003  
G-R Job #180109

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

**RE: First Semi-Annual Event of March 28, 2003**  
Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, 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

Robert C. Mallory  
Registered Geologist, No. 7285

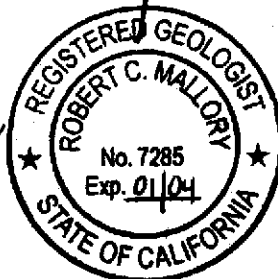
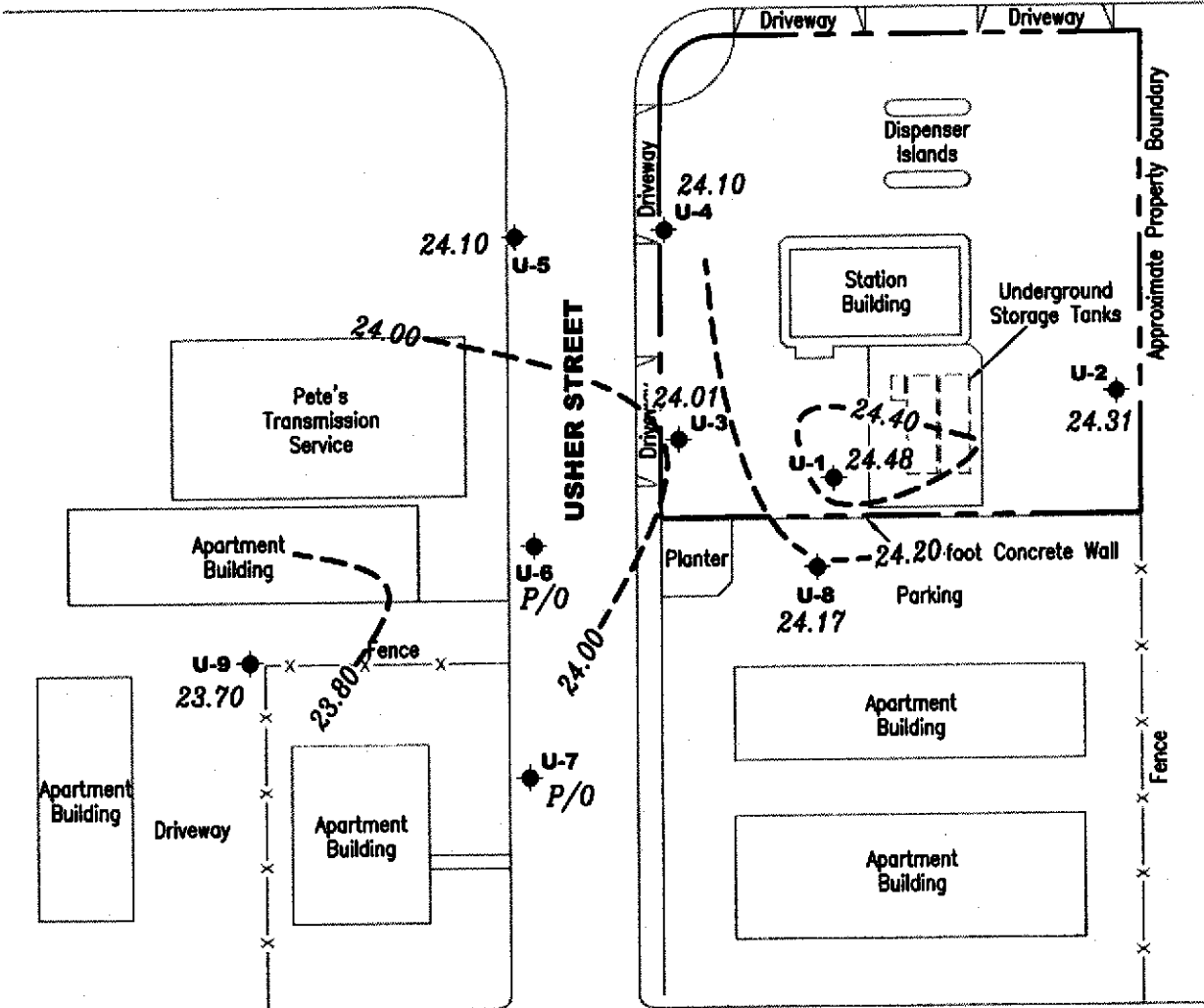


Figure 1: Potentiometric Map  
Figure 2: Concentration Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Compounds  
Table 3: Dissolved Oxygen Concentrations  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field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

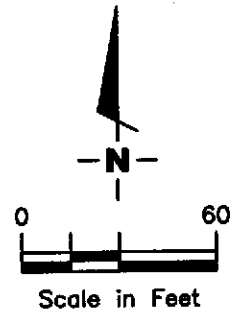
5760.qml

**LEWELLING BOULEVARD**



**EXPLANATION**

- Groundwater monitoring well
  - 99.99 Groundwater elevation in feet referenced to Mean Sea Level
  - - - 99.99 - - - Groundwater elevation contour, dashed where inferred
  - P/O Paved Over
- Groundwater flow direction varies at a gradient of 0.002 to 0.01 Ft./Ft.



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 #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

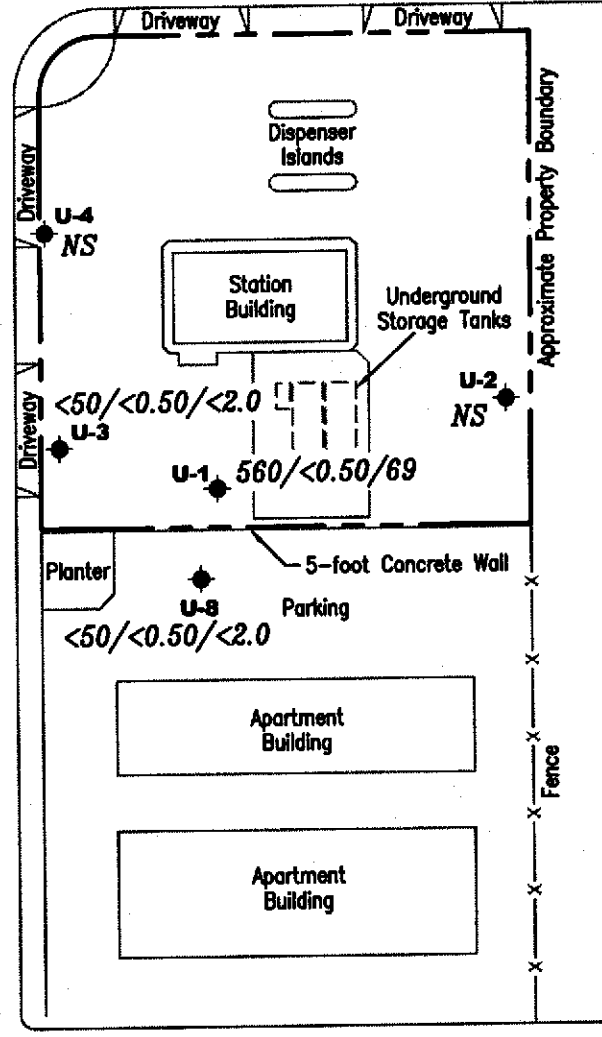
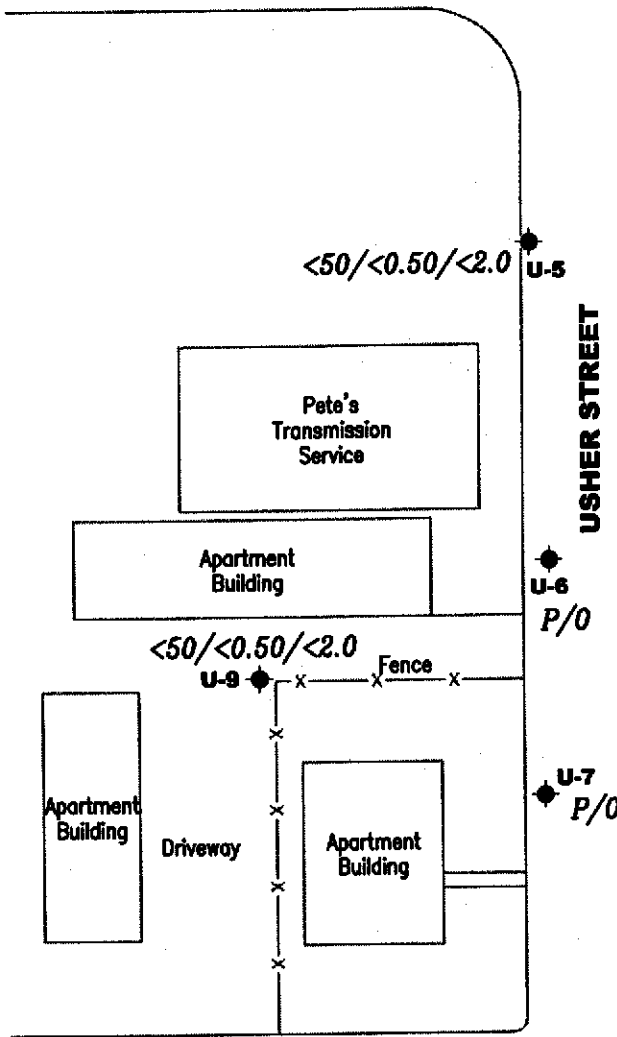
FIGURE  
**1**

PROJECT NUMBER 180109 REVIEWED BY

DATE March 28, 2003

REVISED DATE

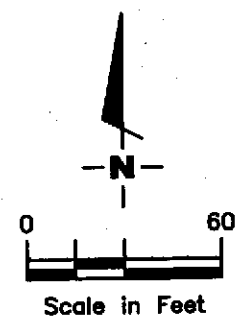
**LEWELLING BOULEVARD**



**EXPLANATION**

- ◆ Groundwater monitoring well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb
- P/0 Paved Over
- NS Not Sampled

**NOTE:** Analyses by EPA Method 8260



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 #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

PROJECT NUMBER  
 180109

REVIEWED BY

DATE  
 March 28, 2003

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-1	02/09/88	--	10.5-30.5	--	--	93,000	3,600	11,000	-- <sup>1</sup>	20,000	--
	03/20/90	--		--	--	36,000	2,100	5,500	1,900	9,300	--
	06/05/90	--		--	--	46,000	2,300	5,500	2,500	11,000	--
	08/24/90	--		--	--	27,000	1,200	1,800	1,400	5,500	--
	12/05/90	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	03/04/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	06/03/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	09/19/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	12/04/91	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	03/05/92	--		--	--	NOT SAMPLED - PRODUCT SKIMMER INSTALLED IN WELL					--
	04/07/92	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	08/06/92	--		--	--	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	11/20/92	--		--	--						
	02/12/93	--		--	--	70,000	2,200	8,400	3,100	18,000	--
	40.51	06/04/93	16.72		23.79	0.00	35,000	1,300	5,700	900	9,200
09/09/93		17.77		22.74	0.00	67,000	2,900	18,000	6,200	32,000	--
40.20	12/02/93	18.36		21.84	<0.01	NOT SAMPLED DUE TO THE PRESENCE OF FREE PRODUCT					--
	03/09/94	17.20		23.00	0.00	45,000	930	4,100	2,000	11,000	--
	06/09/94	17.42		22.78	0.00	59,000	5,200	1,300	5,200	15,000	--
	09/07/94	18.17		22.03	0.00	41,000	1,600	6,200	3,100	16,000	--
	12/05/94	16.67		23.53	0.00	1,300	55	20	16	330	--
	03/09/95	15.82		24.38	0.00	49,000	860	3,200	1,900	10,000	1,500
	06/13/95	14.70		25.50	0.00	53,000	1,400	5,000	2,500	14,000	2,800
40.01**	09/12/95	16.77		23.24	0.00	43,000	910	2,700	1,700	9,600	1,400
40.20	12/14/95					INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING					--
	03/20/96					INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING					--
	03/22/96	--		--	--	13,000	200	590	640	4,000	790
	09/24/96					INACCESSIBLE - WELL CONNECTED TO REMEDIATION SYSTEM WHICH WAS NOT RUNNING					--
	03/27/97	15.29		24.91	0.00	1,300	8.0	ND	ND	400	ND
	09/23/97	17.20		23.00	0.00	2,000	15	ND	ND	530	ND
	03/10/98	12.68		27.52	0.00	2,200 <sup>6</sup>	19	4.8	ND <sup>7</sup>	980	38
	09/04/98	16.84		23.36	0.00	5,300 <sup>8</sup>	53	ND <sup>7</sup>	410	620	ND <sup>7</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)	
U-1 (cont)	03/04/99	13.04	10.5-30.5	27.16	0.00	1,500	19	ND <sup>7</sup>	56	110	310	
	09/13/99	17.14		23.06	0.00	5,850 <sup>8</sup>	32.7	ND <sup>7</sup>	520	925	ND <sup>7</sup>	
	03/21/00	14.36		25.84	0.00	4,820 <sup>8</sup>	17.4	7.74	297	1,370	ND <sup>7</sup>	
	09/18/00	16.72		23.48	0.00	647 <sup>9</sup>	6.44	ND <sup>7</sup>	22.3	6.86	22.2	
	10/13/00	16.85		23.35	0.00	--	--	--	--	--	-- <sup>10</sup>	
	03/16/01	15.84		24.36	0.00	4,950 <sup>11</sup>	1.73	1.77	429	536	613	
	09/04/01	17.16		23.04	0.00	11,000 <sup>9</sup>	25	<10	1,100	1,800	370	
	03/18/02	15.60		24.60	0.00	8,100 <sup>9</sup>	<20	<20	740	1,300	<200	
	09/17/02 <sup>13</sup>	17.35		22.85	0.00	4,200	<2.5	<2.5	120	43	280	
	03/28/03 <sup>13</sup>	15.72		24.48	0.00	560	<0.50	<0.50	0.96	<1.0	69	
U-2	08/23/90	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	--	
	12/05/90	--		--	--	ND	ND	ND	ND	ND	--	
	03/04/91	--		--	--	ND	ND	0.9	ND	2.6	--	
	06/03/91	--		--	--	ND	ND	ND	ND	ND	--	
	09/19/91	--		--	--	ND	ND	ND	ND	ND	--	
	12/04/91	--		--	--	ND	ND	ND	ND	ND	--	
	03/05/92	--		--	--	ND	ND	0.36	ND	ND	--	
	04/07/92	--		--	--	ND	ND	ND	ND	ND	--	
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--	
	11/20/92	--		--	--	ND	ND	ND	ND	ND	--	
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--	
	41.62	06/04/93		17.59	--	24.03	0.00	ND	ND	ND	ND	ND
		09/09/93		18.68	--	22.94	0.00	ND	ND	ND	ND	ND
41.26	12/02/93	19.23	--	22.03	0.00	ND	ND	ND	ND	ND		
	03/09/94	18.05	--	23.21	0.00	62	1.1	5.4	1.1	9.7		
	04/13/94	18.18	--	23.08	0.00	ND	ND	ND	ND	ND		
	06/09/94	18.26	--	23.00	0.00	ND	ND	ND	ND	ND		
	09/07/94	19.28	--	21.98	0.00	ND	ND	0.63	ND	0.61		
	12/05/94	18.82	--	22.44	0.00	ND	ND	ND	ND	ND		
	03/09/95	16.96	--	24.30	0.00	ND	ND	ND	ND	ND		

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
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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)		
U-2 (cont)	06/13/95	16.71	15.0-30.0	24.55	0.00	ND	ND	ND	ND	ND	ND		
	09/12/95	17.80		23.46	0.00	ND	ND	ND	ND	ND	ND		
	12/14/95	18.18		23.08	0.00	ND	ND	ND	ND	ND	ND		
	03/20/96	15.02		26.24	0.00	--	--	--	--	--	--		
	09/24/96	17.90		23.36	0.00	--	--	--	--	--	--		
	03/27/97	16.45		24.81	0.00	ND	ND	ND	ND	ND	ND		
	09/23/97	18.40		22.86	0.00	--	--	--	--	--	--		
	03/10/98	13.79		27.47	0.00	ND	ND	ND	ND	ND	ND		
	09/04/98	17.98		23.28	0.00	--	--	--	--	--	--		
	03/04/99	14.96		26.30	0.00	ND	ND	ND	ND	ND	ND		
	09/13/99	18.25		23.01	0.00	--	--	--	--	--	--		
	03/21/00	15.54		25.72	0.00	ND	ND	ND	ND	ND	ND		
	09/18/00	17.55		23.71	0.00	--	--	--	--	--	--		
	03/16/01	17.06		24.20	0.00	--	--	--	--	--	--		
	09/04/01	18.39		22.87	0.00	--	--	--	--	--	--		
	03/18/02	16.87		24.39	0.00	--	--	--	--	--	--		
	09/17/02	18.33		22.93	0.00	--	--	--	--	--	--		
	03/28/03	16.95		24.31	0.00	--	--	--	--	--	--		
	U-3	08/23/90		--	15.0-25.0	--	--	110,000	4,400	13,000	2,800	17,000	--
		12/05/90		--		--	--	--	69,000	1,900	3,500	1,600	9,800
01/18/91		--	--	--		--	51,000	1,700	3,100	1,500	7,500	--	
03/04/91		--	--	--		--	84,000	1,400	10,000	2,900	17,000	--	
06/03/91		--	--	--		--	130,000	5,800	19,000	4,600	24,000	--	
09/19/91		--	--	--		--	61,000	3,300	9,700	2,800	15,000	--	
12/04/91		--	--	--		--	75,000	2,500	6,100	1,900	11,000	--	
03/05/92		--	--	--		--	160,000	5,300	15,000	5,400	26,000	--	
04/07/92		--	--	--		--	97,000	6,100	16,000	5,400	28,000	--	
08/06/92		--	--	--		--	140,000	5,100	13,000	5,000	23,000	--	



**Table 1**  
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Tosco (Unocal) Service Station #5760  
376 Lewelling Boulevard  
San Lorenzo, 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)
U-3	11/20/92	--	15.0-25.0	--	--	50,000	3,200	4,700	1,900	10,000	--
(cont)	02/12/93	--		--	--	80,000	3,700	9,400	3,700	18,000	--
39.64	06/04/93	15.48		24.16	0.00	92,000	2,900	8,700	4,300	20,000	--
	09/09/93	17.04		22.60	0.00	110,000	2,800	10,000	6,500	31,000	--
39.26	12/02/93	17.55		21.71	0.00	110,000	3,200	7,700	5,600	26,000	--
	03/09/94	16.35		22.91	0.00	120,000	4,500	8,300	5,600	28,000	--
	06/09/94	16.60		22.66	0.00	120,000 <sup>4</sup>	3,300	6,100	5,200	26,000	--
	09/07/94	17.61		21.65	0.00	100,000	2,400	4,900	4,200	21,000	--
	12/05/94	17.08		22.18	0.00	140,000	3,100	5,100	4,900	21,000	--
	03/09/95	15.20		24.06	0.00	100,000	2,300	3,300	4,800	21,000	54,000
	06/13/95	15.11		24.15	0.00	64,000	1,700	1,500	3,800	18,000	900
39.26**	09/12/95	16.11		23.15	0.00	69,000	1,700	820	4,000	19,000	29,000
	12/14/95								--	--	--
	03/20/96								--	--	--
	03/22/96	--		--	--	15,000	150	490	480	3,100	400
	09/24/96								--	--	--
	03/27/97	14.77		24.49	0.00	110	ND	ND	ND	0.62	9.6
	09/23/97	16.74		22.52	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	12.18		27.08	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	16.46		22.80	0.00	ND	ND	ND	1.2	2.3	ND
	03/04/99	13.48		25.78	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	16.71		22.55	0.00	ND	ND	1.77	ND	1.06	9.08
	03/21/00	13.87		25.39	0.00	18,700 <sup>8</sup>	ND <sup>7</sup>	ND <sup>7</sup>	1,290	4,770	ND <sup>7</sup>
	09/18/00	16.12		23.14	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	15.35		23.91	0.00	2,310 <sup>12</sup>	ND	ND	184	618	ND
	09/04/01	16.71		22.55	0.00	340 <sup>9</sup>	0.95	<0.50	8.1	18	<5.0
	03/18/02	15.11		24.15	0.00	6,500 <sup>9</sup>	<10	<10	390	1,400	<100
	09/17/02 <sup>13</sup>	17.67		21.59	0.00	<50	<0.50	<0.50	<0.50	<1.0	2.0
	03/28/03 <sup>13</sup>	15.25		24.01	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)
U-4	08/23/90	--	15.0-28.0	--	--	ND	ND	1.0	ND	1.8	--
	12/05/90	--		--	--	ND	ND	ND	ND	ND	--
	01/18/91	--		--	--	ND	ND	ND	ND	ND	--
	03/04/91	--		--	--	ND	ND	ND	ND	ND	--
	06/03/91	--		--	--	ND	ND	ND	ND	ND	--
	09/19/91	--		--	--	ND	ND	ND	ND	ND	--
	12/04/91	--		--	--	ND	ND	ND	ND	ND	--
	03/05/92	--		--	--	ND	ND	ND	ND	ND	--
	04/07/92	--		--	--	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--
	11/20/92	--		--	--	ND	ND	2.5	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--
40.53	06/04/93	16.73		23.80	0.00	ND	ND	ND	ND	ND	--
	09/09/93	16.89		23.64	0.00	ND	ND	ND	ND	ND	--
40.25	12/02/93	18.46		21.79	0.00	ND	ND	ND	ND	2.6	--
	03/09/94	17.30		22.95	0.00	ND	1.4	4.7	1.1	8.1	--
	04/13/94	17.44		22.81	0.00	ND	ND	ND	ND	ND	--
40.28	06/09/94	17.53		22.72	0.00	ND	ND	ND	ND	ND	--
	09/07/94	18.52		21.76	0.00	ND	ND	1.1	ND	1.0	--
	12/05/94	18.08		22.20	0.00	ND	ND	ND	ND	ND	--
40.25	03/09/95	16.16		24.12	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	15.95		24.30	0.00	ND	ND	ND	ND	ND	2.7
	09/12/95	17.10		23.15	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	17.43		22.82	0.00	ND	ND	ND	ND	ND	1.3
	03/20/96	14.93		25.32	0.00	--	--	--	--	--	--
	09/24/96	17.19		23.06	0.00	--	--	--	--	--	--
	03/27/97	15.66		24.59	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	17.69		22.56	0.00	--	--	--	--	--	--
	03/10/98	12.99		27.26	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	17.28		22.97	0.00	--	--	--	--	--	--
03/04/99	14.17		26.08	0.00	ND	ND	ND	ND	ND	ND	
09/13/99	17.55		22.70	0.00	--	--	--	--	--	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)	
U-4 (cont)	03/21/00	14.74	15.0-28.0	25.51	0.00	ND	ND	ND	ND	ND	ND	
	09/18/00	16.88		23.37	0.00	--	--	--	--	--	--	
	03/16/01	16.32		23.93	0.00	--	--	--	--	--	--	
	09/04/01	17.70		22.55	0.00	--	--	--	--	--	--	
	03/18/02	16.08		24.17	0.00	--	--	--	--	--	--	
	09/17/02	16.56		23.69	0.00	--	--	--	--	--	--	
	03/28/03	16.15		24.10	0.00	--	--	--	--	--	--	
U-5	04/07/92	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	--	
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--	
	11/20/92	--		--	--	ND	ND	ND	ND	ND	--	
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--	
39.61	06/04/93	16.05		23.56	0.00	ND	ND	ND	ND	ND	--	
	09/09/93	16.90		22.71	0.00	ND	ND	ND	ND	ND	--	
39.31	12/02/93	17.66		21.65	0.00	ND	ND	ND	ND	ND	--	
	03/09/94	16.45		22.86	0.00	71	1.7	6.3	1.5	10	--	
	04/13/94	16.64		22.67	0.00	ND	ND	ND	ND	ND	--	
	06/09/94	16.70		22.61	0.00	ND	ND	ND	ND	ND	--	
	09/07/94	17.73		21.58	0.00	ND	ND	0.73	ND	0.84	--	
	12/05/94	17.23		22.08	0.00	ND	ND	ND	ND	ND	--	
	03/09/95	15.35		23.96	0.00	ND	ND	ND	ND	ND	ND	
	06/13/95	15.16		24.15	0.00	ND	ND	ND	ND	ND	0.87	
	09/12/95	16.30		23.01	0.00	ND	ND	ND	ND	ND	ND	
	12/14/95	16.56		22.75	0.00	ND	ND	ND	ND	ND	ND	
	03/20/96	14.07		25.24	0.00	--	--	--	--	--	--	
	09/24/96	16.55		22.76	0.00	--	--	--	--	--	--	
	03/27/97	14.85		24.46	0.00	ND	ND	ND	ND	ND	ND	
	09/23/97	16.90		22.41	0.00	SAMPLED ANNUALLY		--	--	--	--	--
	03/10/98	12.21		27.10	0.00	ND	ND	ND	ND	ND	ND	
	09/04/98	16.57		22.74	0.00	--	--	--	--	--	--	
03/04/99	13.42		25.89	0.00	ND	ND	0.67	ND	ND	ND		

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-5	09/13/99	17.02	15.0-30.0	22.29	0.00	--	--	--	--	--	--
(cont)	03/21/00	13.93		25.38	0.00	ND	ND	ND	ND	ND	ND
	09/18/00	16.17		23.14	0.00	--	--	--	--	--	--
	03/16/01	15.51		23.80	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	16.88		22.43	0.00	--	--	--	--	--	--
	03/18/02	15.25		24.06	0.00	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	09/17/02	16.71		22.60	0.00	SAMPLED ANNUALLY		--	--	--	--
	03/28/03 <sup>13</sup>	15.21		24.10	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
U-6	04/07/92	--	13.0-28.0	--	--	6,600	90	ND	820	1,200	--
	08/06/92	--		--	--	9,200	160	ND	360	150	--
	11/20/92	INACCESSIBLE		--	--	--	--	--	--	--	--
	02/12/93	--		--	--	2,600	27	ND	120	51	--
37.94	06/04/93	14.45		23.49	0.00	13,000	100	38	450	320	--
	09/09/93	15.56		22.38	0.00	6,300 <sup>3</sup>	29	ND	120	34	--
37.68	12/02/93	16.08		21.60	0.00	2,100	12	1.6	21	1.1	--
	03/09/94	14.90		22.78	0.00	2,200	11	8.2	24	16	--
	06/09/94	15.18		22.50	0.00	2,600 <sup>4</sup>	16	ND	29	ND	--
	09/07/94	16.20		21.48	0.00	16,004	ND	ND	ND	ND	--
	12/05/94	15.60		22.08	0.00	450 <sup>5</sup>	ND	ND	ND	ND	--
	03/09/95	13.74		23.94	0.00	2,500	29	ND	70	120	320
	06/13/95	13.73		23.95	0.00	1,300	ND	ND	20	46	5,400
	09/12/95	14.85		22.83	0.00	ND	ND	ND	ND	ND	6,600
	12/14/95	14.89		22.79	0.00	760	ND	ND	7.0	8.4	1,100
	03/20/96	12.41		25.27	0.00	52	1.1	0.98	ND	0.75	1,200
	09/24/96	15.06		22.62	0.00	ND	ND	ND	ND	ND	750
	03/27/97	13.48		24.20	0.00	ND	ND	ND	ND	ND	150
	09/23/97	15.36		22.32	0.00	66	0.81	ND	ND	ND	150
	03/10/98	10.90		26.78	0.00	ND	ND	ND	ND	ND	18
	09/04/98	14.85		22.83	0.00	ND	ND	ND	ND	ND	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)
U-6	03/04/99	12.10	13.0-28.0	25.58	0.00	ND	ND	ND	ND	ND	6.5
(cont)	09/13/99	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/18/00	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/16/01	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/04/01	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	03/18/02	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	09/17/02	INACCESSIBLE - PAVED OVER			--	--	--	--	--	--	--
	<b>PAVED OVER</b>										
U-7	04/07/92	--	15.0-35.0	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--
	11/20/92	--		--	--	ND	ND	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--
37.49	06/04/93	14.17		23.32	0.00	ND	ND	ND	ND	ND	--
	09/09/93	15.23		22.26	0.00	ND	ND	ND	ND	ND	--
37.11	12/02/93	15.61		21.50	0.00	ND	ND	ND	ND	ND	--
	03/09/94	14.45		22.66	0.00	ND	1.4	4.4	0.96	7.5	--
	04/13/94	14.63		22.48	0.00	ND	ND	ND	ND	ND	--
	06/09/94	14.70		22.41	0.00	ND	ND	ND	ND	ND	--
	09/07/94	15.72		21.39	0.00	ND	ND	ND	ND	ND	--
	12/05/94	15.10		22.01	0.00	ND	ND	ND	ND	ND	--
	03/09/95	13.36		23.75	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	13.33		23.78	0.00	ND	ND	ND	ND	ND	3.5
	09/12/95	14.40		22.71	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	14.39		22.72	0.00	ND	ND	ND	ND	ND	1.4
	03/20/96	11.96		25.15	0.00	--	--	--	--	--	--
	09/24/96	14.59		22.52	0.00	--	--	--	--	--	--
	03/27/97	13.08		24.03	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	14.90		22.21	0.00	--	--	--	--	--	--
	03/10/98	10.46		26.65	0.00	ND	ND	ND	ND	ND	ND

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)
U-7	09/04/98	14.42	15.0-35.0	22.69	0.00	--	--	--	--	--	--
(cont)	03/04/99	11.64		25.47	0.00	ND	ND	ND	ND	ND	6.6
	09/13/99	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
	03/21/00	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
	09/18/00	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
	03/16/01	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
	09/04/01	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
	09/17/02	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--
<b>PAVED OVER</b>											
U-8	04/07/92	--	15.0-30.0	--	--	ND	ND	ND	ND	ND	--
	08/06/92	--		--	--	ND	ND	ND	ND	ND	--
	02/12/93	--		--	--	ND	ND	ND	ND	ND	--
38.94	06/04/93	15.26		23.68	0.00	ND	ND	ND	ND	ND	--
	09/09/93	16.38		22.56	0.00	ND	ND	ND	ND	ND	--
38.57	12/02/93	16.80		21.77	0.00	ND	ND	ND	ND	ND	--
	03/09/94	15.62		22.95	0.00	ND	1.2	3.7	0.79	6.1	--
	04/13/94	15.80		22.77	0.00	ND	ND	0.78	ND	0.98	--
	06/09/94	15.86		22.71	0.00	ND	ND	ND	ND	ND	--
	09/07/94	16.87		21.70	0.00	ND	ND	ND	ND	ND	--
	12/05/94	16.32		22.25	0.00	ND	ND	ND	ND	ND	--
	03/09/95	14.56		24.01	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	14.40		24.17	0.00	ND	ND	ND	ND	ND	ND
	09/12/95	15.50		23.07	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	15.67		22.90	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	13.25		25.32	0.00	--	--	--	--	--	--
	09/24/96	15.75		22.82	0.00	--	--	--	--	--	--
	03/27/97	14.18		24.39	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	16.05		22.52	0.00	SAMPLED ANNUALLY		--	--	--	--
	03/10/98	11.63		26.94	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	15.81		22.76	0.00	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, 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)
U-8 (cont)	03/04/99	12.81	15.0-30.0	25.76	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	16.37		22.20	0.00	--	--	--	--	--	--
	03/21/00	13.25		25.32	0.00	ND	ND	ND	ND	ND	ND
	09/18/00	15.31		23.26	0.00	--	--	--	--	--	--
	03/16/01	14.71		23.86	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	16.01		22.56	0.00	--	--	--	--	--	--
	03/18/02	14.46		24.11	0.00	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	09/17/02	15.93		22.64	0.00	SAMPLED ANNUALLY		--	--	--	--
	03/28/03 <sup>13</sup>	14.40		24.17	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
U-9 37.88  37.31	06/04/93	14.67	13.0-28.0	23.21	0.00	2,100 <sup>2</sup>	ND	ND	ND	ND	--
	09/09/93	15.79		22.09	0.00	1,200 <sup>2</sup>	ND	ND	ND	ND	--
	12/02/93	15.93		21.38	0.00	ND	ND	ND	ND	ND	--
	03/09/94	14.74		22.57	0.00	5,700 <sup>4</sup>	ND	ND	ND	ND	--
	04/13/94	14.96		22.35	0.00	ND	ND	ND	ND	ND	--
	06/09/94	15.05		22.26	0.00	2,900 <sup>5</sup>	ND	ND	ND	ND	--
	09/07/94	16.06		21.25	0.00	2,700 <sup>5</sup>	ND	ND	ND	ND	--
	12/05/94	15.43		21.88	0.00	3,700 <sup>5</sup>	ND	ND	ND	ND	--
	03/09/95	13.50		23.81	0.00	2,500 <sup>5</sup>	ND	ND	ND	ND	5,800
	06/13/95	13.63		23.68	0.00	ND	ND	ND	ND	ND	1,200
	09/12/95	14.73		22.58	0.00	ND	ND	ND	ND	ND	1,600
	12/14/95	14.67		22.64	0.00	ND	ND	ND	ND	ND	4,400
	03/20/96	12.27		25.04	0.00	ND	ND	ND	ND	ND	480
	09/24/96	14.92		22.39	0.00	ND	ND	ND	ND	ND	ND
	03/27/97	13.36		23.95	0.00	ND	ND	ND	ND	ND	42
	09/23/97	15.28		22.03	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	10.86		26.45	0.00	ND	ND	ND	ND	ND	3.1
	09/04/98	15.03		22.28	0.00	ND	ND	ND	ND	ND	ND
	03/04/99	11.95		25.36	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	15.61		21.70	0.00	ND	ND	1.67	ND	1.01	7.85

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

WELL ID/ TOC* (L)	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)
U-9	03/21/00	12.38	13.0-28.0	24.93	0.00	ND	ND	ND	ND	ND	ND
(cont)	09/18/00	14.87		22.44	0.00	ND	ND	1.42	ND	1.06	ND
	03/16/01	13.85		23.46	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	15.22		22.09	0.00	SAMPLED ANNUALLY		--	--	--	--
	03/18/02	13.56		23.75	0.00	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	09/17/02	15.14		22.17	0.00	SAMPLED ANNUALLY		--	--	--	--
	03/28/03 <sup>13</sup>	13.61		23.70	0.00	<50	<0.50	<0.50	<0.50	<1.0	<2.0
<b>Trip Blank</b>											
TB-LB	03/10/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/04/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/04/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/13/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/21/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/18/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/13/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	03/16/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/04/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	03/18/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
QA	09/17/02	--	--	--	--	<50	<0.50	0.66	<0.50	<1.0	<2.0
	03/28/03 <sup>13</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to March 10, 1998, were compiled from reports prepared by MPDS Services, Inc.

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

- \* TOC elevations have been surveyed relative to msl. Prior to December 2, 1993, the DTW measurements were taken from the top of well covers.
- \*\* The PVC well casing was shortened in September 1995.

- <sup>1</sup> Ethylbenzene and Xylenes were combined prior to March 1990.
- <sup>2</sup> The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline.
- <sup>3</sup> The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
- <sup>4</sup> Laboratory report indicates the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.
- <sup>5</sup> Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- <sup>6</sup> Laboratory report indicates gasoline and unidentified hydrocarbons >C8.
- <sup>7</sup> Detection limit raised. Refer to analytical reports.
- <sup>8</sup> Laboratory report indicates gasoline C6-C12.
- <sup>9</sup> Laboratory report indicates weathered gasoline C6-C12.
- <sup>10</sup> MTBE by EPA Method 8260.
- <sup>11</sup> Laboratory report indicates gas range and late peaks.
- <sup>12</sup> Laboratory report indicates gas pattern.
- <sup>13</sup> TPH-G, BTEX and MTBE by EPA Method 8260.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-1	10/13/00	ND	ND	29	ND	ND	ND	ND	ND
	09/17/02	<2,500	<500	280	<10	<10	<10	<10	<10
	03/28/03	--	--	69	--	--	--	--	--
U-3	09/17/02	--	--	2.0	--	--	--	--	--
	03/28/03	--	--	<2.0	--	--	--	--	--
U-5	03/28/03	--	--	<2.0	--	--	--	--	--
U-8	03/28/03	--	--	<2.0	--	--	--	--	--
U-9	03/28/03	--	--	<2.0	--	--	--	--	--

**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 = Ethylene dibromide  
 (ppb) = Parts per billion  
 ND = Not Detected  
 -- = Not Analyzed

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

**Table 3**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #5760  
 376 Lewelling Boulevard  
 San Lorenzo, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
U-1	03/27/97	2.41	2.35
U-2	03/27/97	4.36	4.49
U-3	03/27/97	3.18	3.32
U-4	03/27/97	3.32	3.26
U-5	03/27/97	3.74	3.77
U-6	03/20/96	3.85	3.89
	09/20/96	3.73	3.81
	03/27/97	4.43	4.36
	09/23/97	--	4.14
	03/10/98	--	3.95
U-7	03/27/97	3.29	3.38
U-8	03/27/97	3.04	3.11
U-9	03/20/96	4.02	4.00
	09/20/96	3.85	3.98
	03/27/97	3.65	3.57
	09/23/97	--	3.80
	03/10/98	--	3.62

**EXPLANATIONS:**

Dissolved oxygen concentrations prior to March 10, 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 Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Joe

Well ID: U-1  
 Well Diameter: 2 1/8 in.  
 Total Depth: 29.12 ft.  
 Depth to Water: 15.72 ft.  
13.4 xVF 0.38 = 5.09 x3 (case volume) = Estimated Purge Volume: 15.5 gal.

Date Monitored: 3-28-03 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

**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): 0648 Weather Conditions: clear  
 Sample Time/Date: 0715 13-28-03 Water Color: clear Odor: Some  
 Purging Flow Rate: 1.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) x 100	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0656</u>	<u>5</u>	<u>7.40</u>	<u>4.95</u>	<u>70.6</u>	_____	_____
<u>0659</u>	<u>10</u>	<u>7.10</u>	<u>4.86</u>	<u>70.1</u>	_____	_____
<u>0703</u>	<u>15.5</u>	<u>7.16</u>	<u>4.84</u>	<u>70.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760  
 Site Address: 376 Lewelling Blvd.  
 City: San Lorenzo, CA

Job Number: 180109  
 Event Date: 3-28-03 (inclusive)  
 Sampler: Soe

Well ID: U-2  
 Well Diameter: 2 1/3 in.  
 Total Depth: 29.93 ft.  
 Depth to Water: 16.95 ft.

Date Monitored: 3-28-03 Well Condition: DK

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 \_\_\_\_\_ = \_\_\_\_\_ 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: 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): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 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 (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS: M. only

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: 50c

Well ID: U-3 Date Monitored: 3-28-03 Well Condition: 0.1c  
 Well Diameter: 21(3) in.  
 Total Depth: 24.85 ft.  
 Depth to Water: 15.25 ft.  
 $9.60 \times VF 0.38 = 3.65 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 11 \text{ gal.}$

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 \_\_\_\_\_  
 Slack 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): 0824 Weather Conditions: clear  
 Sample Time/Date: 0842 13-28-03 Water Color: clear Odor: none  
 Purging Flow Rate: 1.4 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>0830</u>	<u>3.5</u>	<u>7.19</u>	<u>8.14</u>	<u>71.5</u>	_____	_____
<u>0833</u>	<u>7.5</u>	<u>7.38</u>	<u>8.17</u>	<u>71.2</u>	_____	_____
<u>0835</u>	<u>11</u>	<u>7.46</u>	<u>8.26</u>	<u>71.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Joe

Well ID: U-4 Date Monitored: 3-28-03 Well Condition: O.K.

Well Diameter: 2 1/3 in.

Total Depth: 27.87 ft.

Depth to Water: 16.15 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

xVF \_\_\_\_\_ = \_\_\_\_\_ 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:	<u>0</u> 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): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 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
U-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS: m. only

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

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





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Joe

Well ID: U-5 Date Monitored: 3-28-03 Well Condition: OK

Well Diameter: 2 1/3 in.  
 Total Depth: 28.55 ft.  
 Depth to Water: 15.21 ft.  
13.34 xVF 0.17 = 2.27 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: \_\_\_\_\_ 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): 0610 Weather Conditions: clear  
 Sample Time/Date: 0635 3-28-03 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>0621</u>	<u>2.5</u>	<u>7.76</u>	<u>10.12</u>	<u>69.6</u>	_____	_____
<u>0623</u>	<u>5</u>	<u>7.62</u>	<u>9.48</u>	<u>72.5</u>	_____	_____
<u>0626</u>	<u>7</u>	<u>7.61</u>	<u>9.54</u>	<u>72.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Soe

Well ID: U-6 Date Monitored: \_\_\_\_\_ Well Condition: \_\_\_\_\_

Well Diameter: 2 1/3 in.

Total Depth: \_\_\_\_\_ ft.

Depth to Water: \_\_\_\_\_ 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

xVF \_\_\_\_\_ = \_\_\_\_\_ 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:	_____

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
U-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS: paved over

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Joe

Well ID: U-7 Date Monitored: \_\_\_\_\_ Well Condition: \_\_\_\_\_  
 Well Diameter: (2) / 3 in.  
 Total Depth: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.  
 \_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ 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): \_\_\_\_\_ 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
U-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS:   paved over  

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760 Job Number: 180109  
 Site Address: 376 Lewelling Blvd. Event Date: 3-28-03 (inclusive)  
 City: San Lorenzo, CA Sampler: Joe

Well ID: U-8 Date Monitored: 3-28-03 Well Condition: OK  
 Well Diameter: 213 in.  
 Total Depth: 29.86 ft.  
 Depth to Water: 14.40 ft.  
15.46 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 \_\_\_\_\_  
 Slack 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): 0722 Weather Conditions: clear  
 Sample Time/Date: 0740 13-28-03 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) <sup>x100</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0730</u>	<u>3.5</u>	<u>7.91</u>	<u>6.61</u>	<u>73.0</u>	_____	_____
<u>0732</u>	<u>5</u>	<u>7.38</u>	<u>6.703</u>	<u>72.1</u>	_____	_____
<u>0734</u>	<u>8</u>	<u>7.44</u>	<u>6.95</u>	<u>72.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #5760  
 Site Address: 376 Lewelling Blvd.  
 City: San Lorenzo, CA

Job Number: 180109  
 Event Date: 3-28-03 (inclusive)  
 Sampler: Joc

Well ID: U-9 Date Monitored: 3-28-03 Well Condition: o.k.

Well Diameter: 2 1/3 in.  
 Total Depth: 28.25 ft.  
 Depth to Water: 13.61 ft.  
14.64 xVF 0.17 = 249 x3 (case volume) = Estimated Purge Volume: 7.5 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): 0752 Weather Conditions: clear  
 Sample Time/Date: 0815 13-28-03 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 (C/F)	D.O. (mg/L)	ORP (mV)
<u>0803</u>	<u>2.5</u>	<u>7.19</u>	<u>7.09</u>	<u>72.2</u>	_____	_____
<u>0805</u>	<u>5</u>	<u>7.18</u>	<u>7.16</u>	<u>73.0</u>	_____	_____
<u>0807</u>	<u>7.5</u>	<u>7.12</u>	<u>7.11</u>	<u>72.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-9</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

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

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

# 2003-03-0663

78006  
Gettler-Ryan Inc., Chain-of-Custody

Tosco Corp./  
Phillips 66 Co.  
1000 Crow Canyon Place  
Suite 400  
San Ramon, CA 94583

Facility Number #5760  
Facility Address 376 LEVELLING AVE., SAN LORENZO, CA  
Global ID T0600101469 Project 180109.80  
Client Contact MR. DAVID B. DEWITT  
Phone (925) 277-2384

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 JOE AJEMIAN

SAMPLE ID	Number of Containers Matrix	S = Soil A = Air W = Water C = Chertool	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/ETEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/SILICA gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/ETEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5020	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HWOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
QA	1	W	HCl	3-28-03					✓									
U-1	3	1	1	0715					✓									
U-3	3	1	1	0842					✓									
U-5	3	1	1	0635					✓									
U-8	3	1	1	0740					✓									
U-9	3	1	1	0815					✓									

S.F.C

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

Received By (Signature) <i>[Signature]</i>	Organization <i>[Signature]</i>	Date/Time 3-28-03	Received By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 3/28/03	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>
Received By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 3/28/03	Received By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 3/28/03	iced <input checked="" type="checkbox"/> Y/N	
Received By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 3/28/03	Received By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 3/28/03	iced <input checked="" type="checkbox"/> Y/N	

Apr 18 03 12:42a

st10n site

9256003002

P.10

Gettler Ryan

April 17, 2003

6747 Sierra Court Suite J  
Dublin, CA 94568

Attn.: Deanna Harding  
Project#: 180109.80  
Project: Tosco # 5760  
Site: 376 Lewelling Ave.  
San Lorenzo, CA

Dear Ms. Harding,

Attached is our report for your samples received on 03/28/2003 16:10

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

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 05/12/2003 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

**Gettler Ryan**

April 17, 2003

6747 Sierra Court Suite J  
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180109.80

Project: Tosco # 5760

Site: 376 Lewelling Ave.  
San Lorenzo, CA

### Case Narrative

#### General and Sample Comments

We (STL San Francisco) received 6 Water samples , on Friday, March 28, 2003  
4:10 PM.



**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	03/28/2003	Water	1
U-1	03/28/2003 07:15	Water	2
U-3	03/28/2003 08:42	Water	3
U-5	03/28/2003 06:35	Water	4
U-8	03/28/2003 07:40	Water	5
U-9	03/28/2003 08:15	Water	6

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

04/15/2003 16:44

Page 1 of 13

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.

San Lorenzo, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2003-03-0663 - 1
Sampled:	03/28/2003	Extracted:	4/10/2003 18:17
Matrix:	Water	QC Batch#:	2003/04/10-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/10/2003 18:17	
Benzene	ND	0.50	ug/L	1.00	04/10/2003 18:17	
Toluene	ND	0.50	ug/L	1.00	04/10/2003 18:17	
Ethylbenzene	ND	0.50	ug/L	1.00	04/10/2003 18:17	
Total xylenes	ND	1.0	ug/L	1.00	04/10/2003 18:17	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	04/10/2003 18:17	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	111.1	76-114	%	1.00	04/10/2003 18:17	
Toluene-d8	89.3	88-110	%	1.00	04/10/2003 18:17	

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.

San Lorenzo, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: U-1

Lab ID: 2003-03-0663 - 2

Sampled: 03/28/2003 07:15

Extracted: 4/9/2003 18:10

Matrix: Water

QC Batch#: 2003/04/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	560	50	ug/L	1.00	04/09/2003 18:10	
Benzene	ND	0.50	ug/L	1.00	04/09/2003 18:10	
Toluene	ND	0.50	ug/L	1.00	04/09/2003 18:10	
Ethylbenzene	0.96	0.50	ug/L	1.00	04/09/2003 18:10	
Total xylenes	ND	1.0	ug/L	1.00	04/09/2003 18:10	
Methyl tert-butyl ether (MTBE)	69	2.0	ug/L	1.00	04/09/2003 18:10	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	112.9	76-114	%	1.00	04/09/2003 18:10	
Toluene-d8	91.2	88-110	%	1.00	04/09/2003 18:10	

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.

San Lorenzo, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-3	Lab ID: 2003-03-0663 - 3
Sampled: 03/28/2003 08:42	Extracted: 4/10/2003 17:11
Matrix: Water	QC Batch#: 2003/04/10-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/10/2003 17:11	
Benzene	ND	0.50	ug/L	1.00	04/10/2003 17:11	
Toluene	ND	0.50	ug/L	1.00	04/10/2003 17:11	
Ethylbenzene	ND	0.50	ug/L	1.00	04/10/2003 17:11	
Total xylenes	ND	1.0	ug/L	1.00	04/10/2003 17:11	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	04/10/2003 17:11	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	107.2	76-114	%	1.00	04/10/2003 17:11	
Toluene-d8	88.2	88-110	%	1.00	04/10/2003 17:11	

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

Prep(s): 5030B                      Test(s): 8260FAB  
 Sample ID: U-5                      Lab ID: 2003-03-0663 - 4  
 Sampled: 03/28/2003 06:35                      Extracted: 4/9/2003 19:37  
 Matrix: Water                      QC Batch#: 2003/04/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/09/2003 19:37	
Benzene	ND	0.50	ug/L	1.00	04/09/2003 19:37	
Toluene	ND	0.50	ug/L	1.00	04/09/2003 19:37	
Ethylbenzene	ND	0.50	ug/L	1.00	04/09/2003 19:37	
Total xylenes	ND	1.0	ug/L	1.00	04/09/2003 19:37	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	04/09/2003 19:37	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	112.8	76-114	%	1.00	04/09/2003 19:37	
Toluene-d8	88.7	88-110	%	1.00	04/09/2003 19:37	

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Leelling Ave.  
San Lorenzo, CA

Prep(s): 5030B Test(s): 8260FAB  
 Sample ID: U-8 Lab ID: 2003-03-0663 - 5  
 Sampled: 03/28/2003 07:40 Extracted: 4/9/2003 19:58  
 Matrix: Water QC Batch#: 2003/04/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/09/2003 19:58	
Benzene	ND	0.50	ug/L	1.00	04/09/2003 19:58	
Toluene	ND	0.50	ug/L	1.00	04/09/2003 19:58	
Ethylbenzene	ND	0.50	ug/L	1.00	04/09/2003 19:58	
Total xylenes	ND	1.0	ug/L	1.00	04/09/2003 19:58	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	04/09/2003 19:58	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	114.0	76-114	%	1.00	04/09/2003 19:58	
Toluene-d8	89.9	88-110	%	1.00	04/09/2003 19:58	

**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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: U-9

Lab ID: 2003-03-0663 - 6

Sampled: 03/28/2003 08:15

Extracted: 4/9/2003 20:20

Matrix: Water

QC Batch#: 2003/04/09-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/09/2003 20:20	
Benzene	ND	0.50	ug/L	1.00	04/09/2003 20:20	
Toluene	ND	0.50	ug/L	1.00	04/09/2003 20:20	
Ethylbenzene	ND	0.50	ug/L	1.00	04/09/2003 20:20	
Total xylenes	ND	1.0	ug/L	1.00	04/09/2003 20:20	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	04/09/2003 20:20	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	113.6	76-114	%	1.00	04/09/2003 20:20	
Toluene-d8	90.8	88-110	%	1.00	04/09/2003 20:20	

**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: 180109.80  
Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/04/09-01.27-024

Water

Test(s): 8260FAB

QC Batch # 2003/04/09-01.27

Date Extracted: 04/09/2003 12:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/09/2003 12:50	
Benzene	ND	0.5	ug/L	04/09/2003 12:50	
Toluene	ND	0.5	ug/L	04/09/2003 12:50	
Ethylbenzene	ND	0.5	ug/L	04/09/2003 12:50	
Total xylenes	ND	1.0	ug/L	04/09/2003 12:50	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/09/2003 12:50	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.0	76-114	%	04/09/2003 12:50	
Toluene-d8	91.0	88-110	%	04/09/2003 12:50	



**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: 180109.80  
Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/04/10-01.27-015

Water

Test(s): 8260FAB

QC Batch # 2003/04/10-01.27

Date Extracted: 04/10/2003 13:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/10/2003 13:05	
Benzene	ND	0.5	ug/L	04/10/2003 13:05	
Toluene	ND	0.5	ug/L	04/10/2003 13:05	
Ethylbenzene	ND	0.5	ug/L	04/10/2003 13:05	
Total xylenes	ND	1.0	ug/L	04/10/2003 13:05	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	04/10/2003 13:05	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	110.2	76-114	%	04/10/2003 13:05	
Toluene-d8	89.4	88-110	%	04/10/2003 13:05	

**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: 180109.80  
Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/04/09-01.27**

LCS 2003/04/09-01.27-005

Extracted: 04/09/2003

Analyzed: 04/09/2003 12:07

LCSD 2003/04/09-01.27-006

Extracted: 04/09/2003

Analyzed: 04/09/2003 12:29

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.0	24.6	25.0	96.0	98.4	2.5	69-129	20		
Toluene	25.3	25.2	25.0	101.2	100.8	0.4	70-130	20		
Methyl tert-butyl ether (MTBE)	33.1	34.1	25.0	132.4	136.4	3.0	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	535	547	500	107.0	109.4		76-114			
Toluene-d8	457	449	500	91.4	89.8		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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/04/10-01.27**

LCS 2003/04/10-01.27-006

Extracted: 04/10/2003

Analyzed: 04/10/2003 12:15

LCSD 2003/04/10-01.27-007

Extracted: 04/10/2003

Analyzed: 04/10/2003 12:43

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.1	24.0	25.0	92.4	96.0	3.8	69-129	20		
Toluene	23.9	23.6	25.0	95.6	94.4	1.3	70-130	20		
Methyl tert-butyl ether (MTBE)	31.1	31.3	25.0	124.4	125.2	0.6	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	561	550	500	112.2	110.0		76-114			
Toluene-d8	459	447	500	91.8	89.4		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: 180109.80

Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.

San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2003/04/09-01.27**

U-1 >> MS

Lab ID: 2003-03-0663 - 002

MS: 2003/04/09-01.27-022

Extracted: 04/09/2003

Analyzed: 04/09/2003 18:32

Dilution: 1.00

MSD: 2003/04/09-01.27-023

Extracted: 04/09/2003

Analyzed: 04/09/2003 18:53

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	22.6	22.3	ND	25.0	90.4	89.2	1.3	69-129	20		
Toluene	22.9	22.9	ND	25.0	91.6	91.6	0.0	70-130	20		
Methyl tert-butyl ether	101	104	68.5	25.0	130.0	142.0	8.8	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	565	568		500	113.1	113.6		76-114			
Toluene-d8	464	462		500	92.8	92.5		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: 180109.80  
Tosco # 5760

Received: 03/28/2003 16:10

Site: 376 Lewelling Ave.  
San Lorenzo, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2003/04/10-01.27**

U-3 >> MS

Lab ID: 2003-03-0663 - 003

MS: 2003/04/10-01.27-012

Extracted: 04/10/2003

Analyzed: 04/10/2003 17:33

Dilution: 1.00

MSD: 2003/04/10-01.27-013

Extracted: 04/10/2003

Analyzed: 04/10/2003 17:55

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	22.5	24.4	ND	25.0	90.0	97.6	8.1	69-129	20		
Toluene	21.9	24.4	ND	25.0	87.6	97.6	10.8	70-130	20		
Methyl tert-butyl ether	30.1	33.5	1.06	25.0	116.2	129.8	11.1	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	540	545		500	108.1	109.1		76-114			
Toluene-d8	449	445		500	89.8	89.0		88-110			