

20408
AMIR



GETTLER-RYAN INC.

TRANSMITTAL

April 16, 2003
C-R #180067

Handwritten notes:
2/22/03
(Signature)

Handwritten: 20408

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

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

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

RE: **Tosco (Unocal) Service Station
#3135
845 - 66th Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	April 7, 2003	Groundwater Monitoring and Sampling Report Annual - Event of March 10, 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 **April 30, 2003**, this report will be distributed to the following:

cc: Ms. Cynthia Chapman, Alameda County Health Care Svcs., 1131 Harbor Bay Pkwy., Alameda, CA 94502
Mr. Filmore Marks, Marks Management Company, 44 Montgomery Street, Suite 850, San Francisco, CA 94104

Enclosure



GETTLER-RYAN INC.

April 7, 2003
G-R Job #180067

Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, CA 945818

RE: Annual Event of March 10, 2003
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

Dear Mr. De Witt:

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

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are presented 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 report are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285

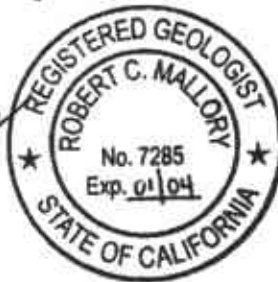
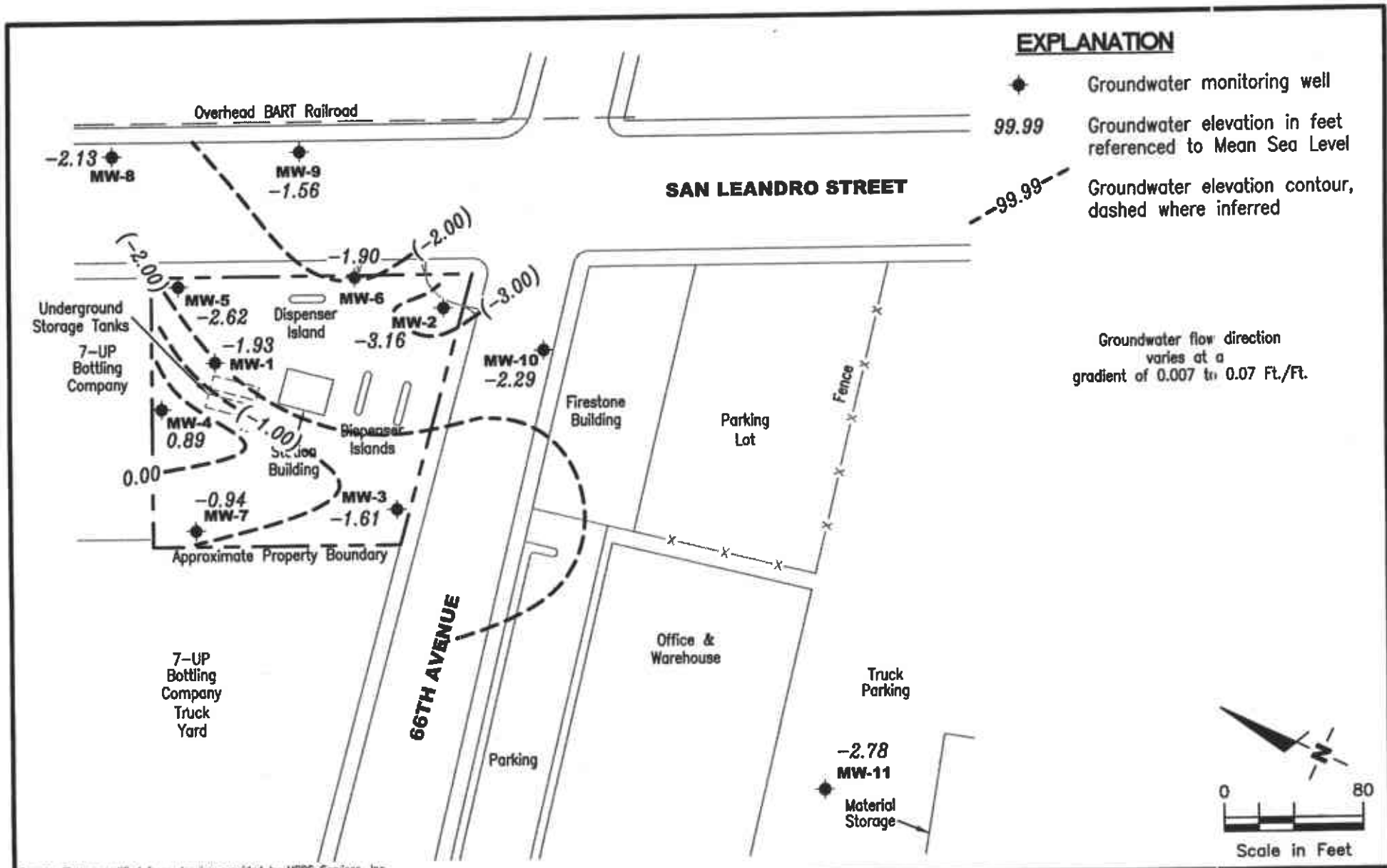


Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results - Oxygenate Compounds
Table 3:	Dissolved Oxygen Concentrations
Table 4:	Groundwater Analytical Results
Attachments:	Standard Operating Procedure - Groundwater Sampling Field Data Sheets
3135.qml	Chain of Custody Document and Laboratory Analytical Reports



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 #3135
 845 66th Avenue
 Oakland, California

FIGURE

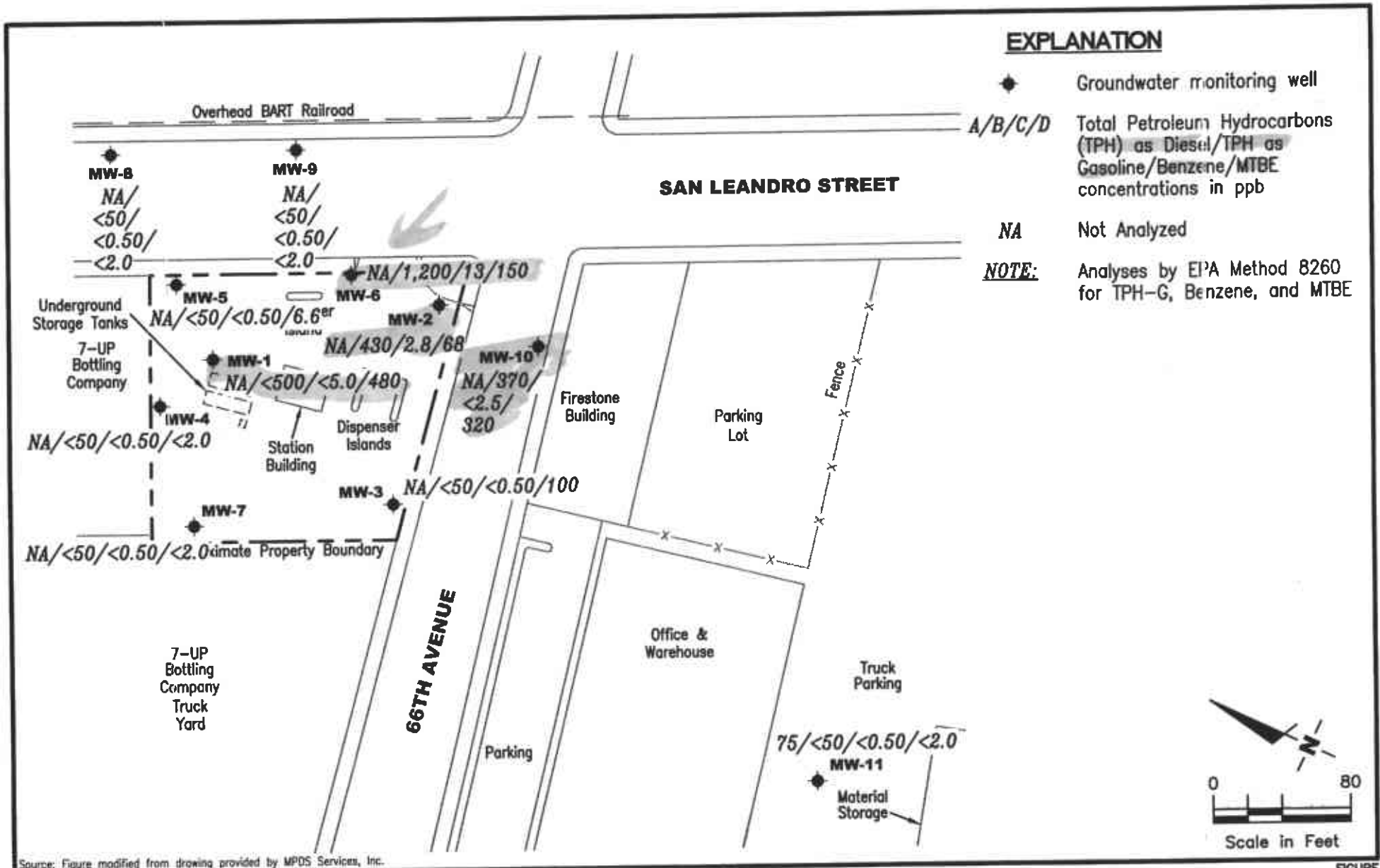
1

PROJECT NUMBER
 180067

REVIEWED BY

DATE
 March 10, 2003

REVISED DATE



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



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Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

FIGURE

2

PROJECT NUMBER
180067

REVIEWED BY

DATE
March 10, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-1 (D)	05/11/90	--	--	--	22,000	590	42	1,200	3,600	--	
	08/28/90	--	--	--	1,700	140	1.4	180	150	--	
	08/28/90	--	--	--	2,600	180	3	810	270	--	
	11/26/90	--	--	--	2,900	160	2.3	330	320	--	
	02/21/91	--	--	690	26,000	280	39	1,200	1,500	--	
	08/05/91	--	--	200	1,200	95	6.2	230	80	--	
	11/05/91	--	--	260	4,900	80	ND	150	160	--	
	02/07/92	--	--	ND	220	2.1	ND	10	16	--	
	05/05/92	--	--	120	310	5.7	ND	7.1	15	--	
	08/03/92	--	--	220 ⁴	980	22	0.69	77	82	--	
	11/03/92	--	--	400 ⁴	1,100	28	ND	80	78	--	
	02/03/93	--	--	ND	94 ⁷	ND	ND	1.4	1.6	--	
	5.18	03/01/93	7.30	-2.12	--	--	--	--	--	--	--
		04/01/93	7.12	-1.94	--	--	--	--	--	--	--
05/17/93		8.25	-3.07	490 ⁵	960 ⁷	39	ND	57	60	--	
06/15/93		INACCESSIBLE	--	--	--	--	--	--	--	--	
07/14/93		9.48	-4.30	--	--	--	--	--	--	--	
08/13/93		10.00	-4.82	170 ⁵	860	3.5	ND	17	20	--	
09/13/93		10.40	-5.22	--	--	--	--	--	--	--	
4.99	10/14/93	10.73	-5.55	--	--	--	--	--	--	--	
	11/11/93	10.80	-5.81	160 ⁵	930	7.3	ND	25	19	--	
	12/14/93	9.50	-4.51	--	--	--	--	--	--	--	
	01/10/94	9.80	-4.81	--	--	--	--	--	--	--	
	02/10/94	8.58	-3.59	ND	170 ⁶	0.9	2.3	ND	ND	--	
	03/14/94	7.73	-2.74	--	--	--	--	--	--	--	
	04/23/94	8.28	-3.29	--	--	--	--	--	--	--	
	05/05/94	8.11	-3.12	ND	96 ⁶	ND	ND	ND	ND	--	
	06/07/94	8.09	-3.10	--	--	--	--	--	--	--	
	07/05/94	8.43	-3.44	--	--	--	--	--	--	--	
08/02/94	8.76	-3.77	130 ⁵	700	13	0.62	2	3.5	--		
11/07/94	8.26	-3.27	270 ⁴	890	16	ND	31	21	--		
12/03/94	6.59	-1.60	--	--	--	--	--	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	01/10/95	6.12	-1.13	--	--	--	--	--	--	--
(cont)	02/01/95	6.04	-1.05	ND	120	1.7	ND	ND	ND	--
	03/03/95	6.73	-1.74	--	--	--	--	--	--	--
	05/02/95	6.57	-1.58	120 ⁴	460	14	ND	14	13	--
	08/01/95	7.70	-2.71	86 ⁴	190	4	ND	3.7	2	--
	11/01/95	9.08	-4.09	190 ⁵	160	2.5	ND	0.82	0.57	280
	02/01/96	6.22	-1.23	90 ⁴	240	8.7	2	ND	0.66	250
	02/04/97	8.48	-3.49	--	120 ⁶	0.58	ND	ND	ND	150
	02/05/98	5.50	-0.51	--	130	1.3	ND	2.7	11	220
	02/04/99	6.58	-1.59	--	1,600	74	16	ND ⁹	ND ⁹	680/850 ¹⁰
	02/02/00	6.69	-1.70	--	174 ¹²	5.70	1.41	ND	ND	839/787 ¹⁰
	03/05/01	6.58	-1.59	--	510 ¹³	12.7	0.875	2.57	ND	572/585 ¹⁰
	08/10/01	7.31	-2.32	--	--	--	--	--	--	--
4.96	02/22/02	6.25	-1.29	--	910 ¹²	2.0	<1.0	2.3	<1.0	410/500 ¹⁰
	03/10/03 ¹⁹	6.89	-1.93	--	<500	<5.0	<5.0	<5.0	<10	480
MW-2	05/11/90	--	--	--	65,000	3,300	3,300	4,100	12,000	--
	08/28/90 ¹	--	--	3,100	27,000	2,600	1,300	1,900	3,000	--
	11/26/90 ¹	--	--	3,800	15,000	1,600	450	1,100	2,100	--
	02/21/91 ¹	--	--	7,000	3,400	160	61	200	490	--
	08/05/91 ¹	--	--	4,200	33,000	2,900	190	3,400	7,900	--
	11/05/91 ²	--	--	3,900	110,000	4,200	200	3,400	3,600	--
	02/07/92 ¹	--	--	2,300	11,000	1,400	30	1,900	1,400	--
	05/05/92 ¹	--	--	4,600	26,000	2,300	110	2,700	6,900	--
	08/03/92 ¹	--	--	3,300 ⁵	37,000	4,500	480	3,300	9,700	--
	11/03/92 ¹	--	--	9,600 ⁴	40,000	5,600	130	3,000	6,100	--
	02/03/93 ¹	--	--	3,900 ⁴	9,300	780	68	830	200	--
3.83	03/01/93	5.92	-2.09	--	--	--	--	--	--	--
	04/01/93	5.76	-1.93	--	--	--	--	--	--	--
	05/17/93	7.08	-3.25	5,500 ⁵	46,000	4,400	510	2,900	9,900	--
	06/15/93	7.02	-3.19	--	--	--	--	--	--	--

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	07/14/93	8.13	-4.30	--	--	--	--	--	--	--
(cont)	08/13/93	8.64	-4.81	2,800 ⁵	44,000	5,100	600	2,900	8,500	--
	09/13/93	9.00	-5.17	--	--	--	--	--	--	--
	10/14/93	9.03	-5.20	--	--	--	--	--	--	--
3.57	11/11/93	9.22	-5.65	7,000 ⁵	36,000	4,800	970	3,000	8,100	--
	12/14/93	8.05	-4.48	--	--	--	--	--	--	--
	01/10/94	8.29	-4.72	--	--	--	--	--	--	--
	02/10/94	6.93	-3.36	2,000 ⁵	12,000	1,000	17	880	940	--
	03/14/94	6.41	-2.84	--	--	--	--	--	--	--
	04/23/94	6.66	-3.09	--	--	--	--	--	--	--
	05/05/94	6.38	-2.81	3,100 ⁵	36,000	3,200	670	2,700	9,600	--
	06/07/94	6.33	-2.76	--	--	--	--	--	--	--
	07/05/94	6.52	-2.95	--	--	--	--	--	--	--
	08/02/94	6.75	-3.18	8,500 ⁴	32,000	2,400	2,200	2,900	12,000	--
	11/07/94	6.04	-2.47	3,100 ⁵	49,000	1,700	2,000	3,000	10,000	--
	12/03/94	4.95	-1.38	--	--	--	--	--	--	--
	01/10/95	4.59	-1.02	--	--	--	--	--	--	--
	02/01/95	4.54	-0.97	1,800 ⁴	9,300	300	210	630	2,600	--
	03/03/95	5.17	-1.60	--	--	--	--	--	--	--
	05/02/95	5.03	-1.46	2,300 ⁵	5,600	150	ND	150	180	--
	08/01/95	6.16	-2.59	2,900 ⁴	13,000	700	140	1,400	5,500	--
	11/01/95	7.30	-3.73	4,100 ⁴	18,000	490	110	1,300	4,600	190
	02/01/96	4.57	-1.00	5,500 ⁴	22,000	470	77	1,400	5,900	ND
	02/04/97	7.10	-3.53	--	100 ⁶	ND	0.89	ND	ND	81
	02/05/98	4.12	-0.55	--	330	2.6	2.6	17	53	5.5
	08/28/98	6.26	-2.69	--	--	--	--	--	--	--
	02/04/99	5.01	-1.44	--	ND	ND	0.54	0.60	1.5	19/16 ¹⁰
	02/02/00	5.35	-1.78	--	ND	ND	ND	ND	ND	163/150 ¹⁰
	03/05/01	5.26	-1.69	--	658 ¹³	5.53	ND ⁹	70.0	152	108
	08/10/01	6.03	-2.46	--	--	--	--	--	--	--
3.56	02/22/02	4.81	-1.25	--	<50	<0.50	<0.50	<0.50	<0.50	16/18 ¹⁰
	03/10/03 ¹⁹	6.72	-3.16	--	430	2.8	<0.50	48	75	68

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 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-3	5/11/90	--	--	--	ND	ND	ND	ND	ND	--	
	08/28/90	--	--	--	ND	ND	ND	ND	0.7	--	
	11/26/90	--	--	--	ND	ND	ND	ND	ND	--	
	02/21/91	--	--	--	ND	ND	ND	ND	0.64	--	
	08/05/91	--	--	63	ND	ND	ND	ND	ND	--	
	11/05/91	--	--	ND	31	ND	ND	ND	0.65	--	
	02/07/92	--	--	ND	ND	ND	ND	ND	ND	--	
	05/05/92	--	--	56	ND	ND	ND	0.43	1.8	--	
	08/03/92	--	--	58	ND	ND	ND	ND	ND	--	
	11/03/92	--	--	52 ⁴	ND	ND	ND	ND	ND	--	
	02/03/93	--	--	ND	ND	ND	ND	ND	ND	--	
	3.30	03/01/93	4.84	-1.54	--	--	--	--	--	--	--
		04/01/93	4.60	-1.30	--	--	--	--	--	--	--
05/17/93		5.47	-2.17	53	ND	ND	ND	ND	ND	--	
06/15/93		5.57	-2.27	--	--	--	--	--	--	--	
07/14/93		6.92	-3.62	--	--	--	--	--	--	--	
08/13/93		7.85	-4.55	ND	ND	ND	ND	ND	ND	--	
09/13/93		8.42	-5.12	--	--	--	--	--	--	--	
10/14/93		8.90	-5.60	--	--	--	--	--	--	--	
11/11/93		8.92	-5.80	51	ND	ND	ND	ND	ND	--	
12/14/93		7.36	-4.24	--	--	--	--	--	--	--	
3.12	01/10/94	7.54	-4.42	--	--	--	--	--	--	--	
	02/10/94	6.23	-3.11	50 ⁵	ND	ND	ND	ND	0.84	--	
	03/14/94	5.56	-2.44	--	--	--	--	--	--	--	
	04/23/94	7.72	-4.60	--	--	--	--	--	--	--	
	05/05/94	5.50	-2.38	66	62 ⁶	ND	ND	ND	ND	--	
	06/07/94	5.35	-2.23	--	--	--	--	--	--	--	
	07/02/94	5.46	-2.34	--	--	--	--	--	--	--	
	08/02/94	5.84	-2.72	76	150 ⁶	ND	ND	ND	ND	--	
	11/07/94	6.05	-2.93	ND	94 ⁶	ND	ND	ND	ND	--	
	12/03/94	4.51	-1.39	--	--	--	--	--	--	--	
01/10/95	3.82	-0.70	--	--	--	--	--	--	--		

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	02/01/95	3.84	-0.72	ND	100 ⁶	ND	ND	ND	ND	--
(cont)	03/03/95	4.27	-1.15	--	--	--	--	--	--	--
	05/02/95	4.11	-0.99	56	360 ⁶	ND	ND	ND	ND	--
	08/01/95	5.10	-1.98	ND	ND	ND	ND	ND	ND	200
	11/01/95	6.65	-3.53	200 ⁴	ND	ND	ND	ND	ND	190
	02/01/96	4.29	-1.17	160 ⁴	ND	ND	ND	ND	ND	ND
	02/04/97	6.43	-3.31	--	ND	ND	ND	ND	ND	490
	02/05/98	4.68	-1.56	--	ND	ND	ND	ND	ND	480/530 ¹⁰
	02/04/99	4.62	-1.50	--	ND	ND	ND	ND	ND	250/346 ¹⁴
	02/02/00	5.16	-2.04	--	ND	ND	ND	ND	ND	167
	03/05/01	5.07	-1.95	--	ND	ND	ND	ND	ND	--
	08/10/01	5.82	-2.70	--	--	--	--	--	--	--
3.12	02/22/02	4.58	-1.46	--	<50	<0.50	<0.50	<0.50	<0.50	240/280 ¹⁰
	03/10/03 ¹⁹	4.73	-1.61	--	<50	<0.50	<0.50	<0.50	<1.0	100
MW-4	08/28/90	--	--	--	62,000	810	72	4,400	4,600	--
	11/26/90	--	--	--	49,000	360	36	3,800	11,000	--
	02/21/91	--	--	4,100	33,000	210	21	3,800	12,000	--
	08/05/91	--	--	6,200	37,000	310	70	3,600	9,700	--
	11/05/91	--	--	7,700	140,000	320	ND	4,800	13,000	--
	02/07/92	--	--	2,300	8,100	24	4.9	1,800	3,200	--
	05/05/92	--	--	3,200	15,000	82	12	2,000	5,600	--
	08/03/92	--	--	2,400 ⁴	24,000	61	ND	2,100	5,400	--
	11/03/92	--	--	8,300 ⁴	36,000	69	ND	3,000	7,400	--
	02/03/93	--	--	720 ⁵	370	2.6	ND	1.2	53	--
5.27	03/01/93	7.63	-2.36	--	--	--	--	--	--	--
	04/01/93	7.25	-1.98	--	--	--	--	--	--	--
	05/17/93	8.46	-3.19	3,100 ⁴	2,500	ND	ND	170	410	--
	06/15/93	9.00	-3.73	--	--	--	--	--	--	--
	07/14/93	9.74	-4.47	--	--	--	--	--	--	--
	08/13/93	10.23	-4.96	2,000 ⁵	19,000	ND	ND	1,600	4,100	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	09/13/93	10.62	-5.35	--	--	--	--	--	--	--
(cont)	10/14/93	10.84	-5.57	--	--	--	--	--	--	--
4.93	11/11/93	10.88	-5.95	4,000 ⁴	16,000	110	12	1,800	3,800	--
	12/14/93	9.60	-4.67	--	--	--	--	--	--	--
	01/10/94	9.92	-4.99	--	--	--	--	--	--	--
	02/10/94	8.79	-3.86	170 ⁴	830	3.5	1.4	36	80	--
	03/14/94	7.91	-2.98	--	--	--	--	--	--	--
	04/23/94	8.41	-3.48	--	--	--	--	--	--	--
	05/05/94	8.27	-3.34	2,000 ⁵	6,900	17	ND	480	1,300	--
	06/07/94	8.27	-3.34	--	--	--	--	--	--	--
	07/05/94	8.58	-3.65	--	--	--	--	--	--	--
	08/02/94	8.91	-3.98	2,500 ⁵	17,000	38	ND	1,800	4,300	--
	11/07/94	8.64	-3.71	2,200 ⁴	20,000	84	17	1,500	3,000	--
	12/03/94	6.78	-1.85	--	--	--	--	--	--	--
	01/10/95	6.35	-1.42	--	--	--	--	--	--	--
	02/01/95	5.73	-0.80	ND	ND	ND	ND	ND	ND	--
	03/03/95	6.82	-1.89	--	--	--	--	--	--	--
	05/02/95	5.74	-0.81	2,500 ⁴	5,400	36	ND	130	710	--
	08/01/95	7.78	-2.85	3,400 ⁴	7,900	21	ND	210	860	--
	11/01/95	9.16	-4.23	3,300 ⁴	4,900	12	ND	190	710	210
	02/01/96	4.64	0.29	ND	91	2.7	ND	1.2	6.8	7.8
	02/04/97	8.65	-3.72	--	130 ⁶	0.58	ND	ND	ND	150
	02/05/98	PAVED OVER	--	--	--	--	--	--	--	--
	02/04/99	4.04	0.89	--	ND	ND	ND	ND	ND	ND
	02/02/00	4.07	0.86	--	ND	ND	ND	ND	ND	ND
	03/05/01	4.14	0.79	--	ND	ND	ND	ND	ND	2.55
	08/10/01	4.77	0.16	--	--	--	--	--	--	--
5.01	02/22/02	3.87	1.14	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	03/10/03 ¹⁹	4.12	0.89	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
MW-5	08/28/90	--	--	--	ND	ND	ND	ND	1.2	--	
	11/26/90	--	--	--	ND	ND	ND	ND	ND	--	
	02/21/91	--	--	--	56	ND	ND	ND	4.7	--	
	08/05/91	--	--	ND	ND	ND	ND	ND	ND	--	
	11/05/91	--	--	ND	ND	ND	ND	ND	ND	--	
	02/07/92	--	--	ND	ND	ND	ND	0.36	0.94	--	
	05/05/92	--	--	72	ND	ND	ND	0.42	1.4	--	
	08/03/92	--	--	ND	ND	ND	ND	ND	ND	--	
	11/03/92	--	--	ND	ND	ND	ND	ND	ND	--	
	02/03/93	--	--	ND	ND	ND	ND	ND	ND	--	
4.61	03/01/93	6.68	-2.07	--	--	--	--	--	--	--	
	04/01/93	6.51	-1.90	--	--	--	--	--	--	--	
	05/17/93	7.75	-3.14	ND	ND	ND	ND	ND	ND	--	
	06/15/93	8.18	-3.57	--	--	--	--	--	--	--	
	07/14/93	8.98	-4.37	--	--	--	--	--	--	--	
	08/13/93	9.49	-4.88	ND	ND	ND	ND	ND	ND	--	
	09/13/93	9.88	-5.27	--	--	--	--	--	--	--	
	10/14/93	10.04	-5.43	--	--	--	--	--	--	--	
	11/11/93	10.13	-5.86	ND	ND	ND	ND	ND	ND	--	
	12/14/93	8.85	-4.58	--	--	--	--	--	--	--	
4.27	01/10/94	9.10	-4.83	--	--	--	--	--	--	--	
	02/10/94	7.71	-3.44	ND	ND	ND	ND	ND	0.59	--	
	03/14/94	7.02	-2.75	--	--	--	--	--	--	--	
	04/23/94	7.57	-3.30	--	--	--	--	--	--	--	
	05/05/94	7.38	-3.11	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
	06/07/94	7.39	-3.12	--	--	--	--	--	--	--	
	07/05/94	7.72	-3.45	--	--	--	--	--	--	--	
	08/02/94	8.05	-3.78	ND	ND	ND	ND	ND	ND	--	
	11/07/94	7.56	-3.29	--	--	--	--	--	--	--	
	12/03/94	5.80	-1.53	--	--	--	--	--	--	--	
01/10/95	5.37	-1.10	--	--	--	--	--	--	--		
02/01/95	5.24	-0.97	ND	ND	ND	ND	ND	ND	--		

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	03/03/95	5.99	-1.72	--	--	--	--	--	--	--
(cont)	05/02/95	5.85	-1.58	--	--	--	--	--	--	--
	08/01/95	7.00	-2.73	ND	ND	ND	ND	ND	ND	--
	11/01/95	8.40	-4.13	--	--	--	--	--	--	--
	02/01/96	5.45	-1.18	ND	ND	ND	ND	ND	ND	0.72
	02/04/97	7.82	-3.55	--	ND	ND	ND	ND	ND	ND
	02/05/98	3.85	0.42	--	ND	ND	ND	ND	ND	490
	02/04/99	5.85	-1.58	--	ND	ND	ND	ND	ND	23/26 ¹⁰
	02/02/00	5.94	-1.67	--	ND	ND	ND	ND	ND	ND
	03/05/01	5.85	-1.58	--	ND	ND	ND	ND	ND	ND
	08/10/01	6.53	-2.26	--	--	--	--	--	--	--
4.31	02/22/02	5.54	-1.23	--	<50	<0.50	<0.50	<0.50	<0.50	9.6/11 ¹⁰
	03/10/03 ¹⁹	6.93	-2.62	--	<50	<0.50	<0.50	<0.50	<1.0	6.6
MW-6	08/28/90 ³	--	--	1,000	12,000	1,700	1,400	230	2,100	--
	11/26/90 ¹	--	--	320	4,800	1,000	200	340	650	--
(D)	11/26/90	--	--	--	4,000	800	120	250	440	--
	02/21/91 ¹	--	--	160	750	77	14	23	40	--
	08/05/91 ¹	--	--	130	860	130	11	92	50	--
	11/05/91 ¹	--	--	300	7,100	200	ND	190	380	--
	02/07/92 ¹	--	--	ND	180	22	0.68	22	20	--
	05/05/92 ¹	--	--	47	ND	ND	ND	ND	1.3	--
	08/03/92	--	--	170 ⁴	1,100	180	1.1	62	78	--
	11/03/92	--	--	220 ⁴	920	45	0.76	12	110	--
	02/03/93 ¹	--	--	ND	ND	1.2	ND	ND	ND	--
4.31	03/01/93	6.20	-1.89	--	--	--	--	--	--	--
	04/01/93	6.04	-1.73	--	--	--	--	--	--	--
	05/17/93	7.50	-3.19	1,400 ⁴	4,900	890	46	210	530	--
	06/15/93	7.76	-3.45	--	--	--	--	--	--	--
	07/14/93	8.69	-4.38	--	--	--	--	--	--	--
	08/13/93	9.20	-4.89	440 ⁵	2,300	330	ND	95	40	--

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	09/13/93	9.59	-5.28	--	--	--	--	--	--	--
(cont)	10/14/93	9.75	-5.44	--	--	--	--	--	--	--
4.03	11/11/93	9.87	-5.84	650 ⁵	3,000	470	ND	220	270	--
	12/14/93	8.60	-4.57	--	--	--	--	--	--	--
	01/10/94	8.81	-4.78	--	--	--	--	--	--	--
	02/10/94	7.23	-3.20	ND	ND	3.5	ND	1.5	ND	--
	03/14/94	6.68	-2.65	--	--	--	--	--	--	--
	04/23/94	7.24	-3.21	--	--	--	--	--	--	--
	05/05/94	7.01	-2.98	630 ⁵	2,600	430	99	24	420	--
	06/07/94	7.02	-2.99	--	--	--	--	--	--	--
	07/05/94	7.41	-3.38	--	--	--	--	--	--	--
	08/02/94	7.66	-3.63	2,400 ⁵	28,000	2,200	940	1,600	7,500	--
	11/07/94	6.78	-2.75	770 ⁴	23,000	3,800	970	1,400	4,700	--
	12/03/94	5.44	-1.41	--	--	--	--	--	--	--
	01/10/95	5.00	-0.97	--	--	--	--	--	--	--
	02/01/95	4.98	-0.95	2,700 ⁵	55,000	7,700	9,100	4,500	20,000	--
	03/03/95	5.71	-1.68	--	--	--	--	--	--	--
	05/02/95	5.58	-1.55	3,600 ⁵	59,000	4,700	4,400	4,000	18,000	--
	08/01/95	6.76	-2.73	2,800 ⁴	23,000	1,400	510	940	7,300	--
	11/01/95	8.10	-4.07	4,300 ⁴	24,000	1,100	200	1,900	6,000	170
	02/01/96	5.09	-1.06	3,700 ⁴	58,000	2,700	1,800	4,200	17,000	ND
	02/04/97	7.61	-3.58	--	95 ⁶	ND	1.0	ND	ND	96
	02/05/98	4.55	-0.52	--	44,000	2,100	1,600	5,200	20,000	2,800
	08/28/98 ⁸	6.95	-2.92	--	--	--	--	--	--	--
	02/04/99	5.59	-1.56	--	37,000	480	250	2,900	10,000	ND ⁹
	02/02/00	6.24	-2.21	--	24,300 ¹³	313	42.0	1,880	5,490	604/357 ¹⁰
	03/05/01 ¹⁵	6.29	-2.26	--	29,300 ¹³	272	66.8	2,180	7,380	1,120
	08/10/01	7.11	-3.08	--	--	--	--	--	--	--
4.05	02/22/02 ¹⁵	5.37	-1.32	--	22,000 ¹²	180	<50	1,300	3,100	760/790 ¹⁰
	03/10/03 ¹⁹	5.95	-1.90	--	1,200	13	<1.0	53	45	150

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7										
4.84	05/11/93	4.52	0.32	--	--	--	--	--	--	--
	05/17/93	7.00	-2.16	ND	ND	ND	ND	ND	ND	--
	06/15/93	7.47	-2.63	--	--	--	--	--	--	--
	07/14/93	8.55	-3.71	--	--	--	--	--	--	--
	08/13/93	9.23	-4.39	ND	ND	ND	ND	ND	ND	--
	09/13/93	10.08	-5.24	--	--	--	--	--	--	--
	10/14/93	10.25	-5.41	--	--	--	--	--	--	--
4.42	11/11/93	10.27	-5.85	66	ND	ND	ND	ND	ND	--
	12/14/93	8.52	-4.10	--	--	--	--	--	--	--
	01/10/94	9.30	-4.88	--	--	--	--	--	--	--
	02/10/94	7.93	-3.51	ND	ND	ND	ND	ND	ND	--
	03/14/94	6.78	-2.36	--	--	--	--	--	--	--
	04/23/94	INACCESSIBLE	--	--	--	--	--	--	--	--
	05/05/94	7.13	-2.71	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
	06/07/94	7.09	-2.67	--	--	--	--	--	--	--
	07/05/94	7.49	-3.07	--	--	--	--	--	--	--
	08/02/94	7.98	-3.56	ND	ND	ND	ND	ND	0.63	--
	11/07/94	7.86	-3.44	--	--	--	--	--	--	--
	12/03/94	5.95	-1.53	--	--	--	--	--	--	--
	01/10/95	5.50	-1.08	--	--	--	--	--	--	--
	02/01/95	5.43	-1.01	ND	ND	ND	ND	ND	ND	--
	03/03/95	5.97	-1.55	--	--	--	--	--	--	--
	05/02/95	5.73	-1.31	--	--	--	--	--	--	--
	08/01/95	7.62	-3.20	ND	ND	ND	ND	ND	ND	--
	11/01/95	8.58	-4.16	--	--	--	--	--	--	--
	02/01/96	5.77	-1.35	96 ⁴	ND	ND	ND	ND	ND	1.4
	02/04/97	7.64	-3.22	--	ND	ND	ND	ND	ND	ND
	02/05/98	PAVED OVER	--	--	--	--	--	--	--	--
	02/04/99	5.54	-1.12	--	ND	ND	ND	ND	ND	ND
	02/02/00	5.75	-1.33	--	ND	ND	ND	ND	ND	ND

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 Tosco (Unocal) Service Station #3135
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WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	03/05/01	5.66	-1.24	--	ND	ND	ND	ND	ND	ND
(cont)	08/10/01	6.28	-1.86	--	--	--	--	--	--	--
4.45	02/22/02	4.98	-0.53	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	03/10/03 ¹⁹	5.39	-0.94	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-8	11/03/92	--	--	ND	ND	ND	ND	ND	ND	--
	02/03/93	--	--	ND	ND	ND	ND	ND	ND	--
5.12	03/01/93	6.64	-1.52	--	--	--	--	--	--	--
	04/01/93	6.55	-1.43	--	--	--	--	--	--	--
	05/17/93	8.25	-3.13	ND	ND	ND	ND	ND	ND	--
	06/15/93	8.67	-3.55	--	--	--	--	--	--	--
	07/14/93	9.47	-4.35	--	--	--	--	--	--	--
	08/13/93	10.00	-4.88	ND	ND	ND	ND	ND	ND	--
	09/13/93	10.40	-5.28	--	--	--	--	--	--	--
	10/14/93	10.23	-5.11	--	--	--	--	--	--	--
4.43	11/11/93	10.22	-5.79	ND	ND	ND	ND	ND	ND	--
	12/14/93	9.00	-4.57	--	--	--	--	--	--	--
	01/10/94	9.17	-4.74	--	--	--	--	--	--	--
	02/10/94	7.23	-2.80	ND	ND	ND	ND	ND	ND	--
	03/14/94	6.94	-2.51	--	--	--	--	--	--	--
	04/23/94	7.63	-3.20	--	--	--	--	--	--	--
	05/05/94	7.39	-2.96	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
	06/07/94	7.44	-3.01	--	--	--	--	--	--	--
	07/05/94	7.86	-3.43	--	--	--	--	--	--	--
	08/02/94	8.23	-3.80	ND	ND	ND	ND	ND	ND	--
	11/07/94	6.56	-2.13	--	--	--	--	--	--	--
	12/03/94	5.60	-1.17	--	--	--	--	--	--	--
	01/10/95	4.90	-0.47	--	--	--	--	--	--	--
	02/01/95	5.02	-0.59	ND	ND	ND	ND	ND	ND	--
	03/03/95	5.81	-1.38	--	--	--	--	--	--	--
	05/02/95	5.73	-1.30	--	--	--	--	--	--	--

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MW-8	08/01/95	7.11	-2.68	ND	ND	ND	ND	ND	ND	--
(cont)	11/01/95	8.98	-4.55	--	--	--	--	--	--	1.3
	02/01/96	5.52	-1.09	110 ⁴	ND	ND	ND	ND	ND	ND
	02/04/97	8.07	-3.64	--	ND	ND	ND	ND	ND	ND
	02/05/98	4.97	-0.54	--	ND	ND	ND	ND	ND	ND
	02/04/99	6.12	-1.69	--	ND	ND	ND	ND	ND	ND
	02/02/00	6.11	-1.68	--	ND	ND	ND	ND	ND	ND
	03/05/01	6.05	-1.62	--	ND	ND	ND	ND	ND	ND
	02/22/02	5.90	-1.47	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	03/10/03 ¹⁹	6.56	-2.13	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-9	11/03/92	--	--	ND	ND	ND	ND	ND	ND	--
	02/03/93	--	--	ND	ND	ND	ND	ND	ND	--
4.84	03/01/93	6.22	-1.38	--	--	--	--	--	--	--
	04/01/93	6.17	-1.33	--	--	--	--	--	--	--
	05/17/93	7.95	-3.11	ND	ND	ND	ND	ND	ND	--
	06/15/93	8.34	-3.50	--	--	--	--	--	--	--
	07/14/93	9.13	-4.29	--	--	--	--	--	--	--
	08/13/93	9.69	-4.85	ND	ND	ND	ND	ND	ND	--
	09/13/93	10.10	-5.26	--	--	--	--	--	--	--
	10/14/93	10.23	-5.39	--	--	--	--	--	--	--
4.60	11/11/93	10.39	-5.79	ND	ND	ND	ND	ND	ND	--
	12/14/93	9.14	-4.54	--	--	--	--	--	--	--
	01/10/94	9.27	-4.67	--	--	--	--	--	--	--
	02/10/94	7.20	-2.60	ND	ND	ND	ND	ND	ND	--
	03/14/94	7.06	-2.46	--	--	--	--	--	--	--
	04/23/94	7.79	-3.19	--	--	--	--	--	--	--
	05/05/94	7.52	-2.92	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
	06/07/94	7.54	-2.94	--	--	--	--	--	--	--
	07/05/94	7.98	-3.38	--	--	--	--	--	--	--
	08/02/94	8.34	-3.74	ND	ND	ND	ND	ND	ND	--

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Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	11/07/94	6.44	-1.84	--	--	--	--	--	--	--
(cont)	12/03/94	5.68	-1.08	--	--	--	--	--	--	--
	01/10/95	4.98	-0.38	--	--	--	--	--	--	--
	02/01/95	5.18	-0.58	65 ⁴	ND	ND	ND	ND	ND	--
	03/03/95	5.90	-1.30	--	--	--	--	--	--	--
	05/02/95	5.86	-1.26	--	--	--	--	--	--	--
	08/01/95	7.30	-2.70	ND	ND	ND	ND	ND	ND	--
	11/01/95	8.66	-4.06	--	--	--	--	--	--	--
	02/01/96	5.14	-0.54	76 ⁴	ND	ND	ND	ND	ND	ND
	02/04/97	8.12	-3.52	--	ND	ND	ND	ND	ND	ND
	02/05/98	4.95	-0.35	--	ND	ND	ND	ND	ND	ND
	02/04/99	5.81	-1.21	--	ND	ND	ND	ND	ND	ND
	02/02/00	5.71	-1.11	--	ND	ND	ND	ND	ND	ND
	03/05/01	5.67	-1.07	--	ND	ND	ND	ND	ND	ND
	02/22/02	5.61	-1.01	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	03/10/03 ¹⁹	6.16	-1.56	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-10	11/03/92	--	--	160 ⁴	740	11	2.1	32	56	--
	02/03/93	--	--	ND	1,200 ⁶	ND	ND	ND	ND	--
3.34	03/01/93	5.82	-2.48	--	--	--	--	--	--	--
	04/01/93	5.69	-2.35	--	--	--	--	--	--	--
	05/17/93	7.04	-3.70	ND	1,200 ⁶	ND	ND	ND	ND	--
	06/15/93	7.22	-3.88	--	--	--	--	--	--	--
	07/14/93	8.01	-4.67	--	--	--	--	--	--	--
	08/13/93	8.42	-5.08	97 ⁵	1,500 ⁷	ND	ND	41	21	--
	09/13/93	8.74	-5.40	--	--	--	--	--	--	--
	10/14/93	8.57	-5.23	--	--	--	--	--	--	--
2.69	11/11/93	8.59	-5.90	88 ⁵	1,600 ⁶	ND	ND	ND	ND	--
	12/14/93	7.50	-4.81	--	--	--	--	--	--	--
	01/10/94	7.69	-5.00	--	--	--	--	--	--	--
	02/10/94	8.21	-5.52	71	1,480 ⁶	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	03/14/94	5.56	-2.87	--	--	--	--	--	--	--
(cont)	04/23/94	6.22	-3.53	--	--	--	--	--	--	--
	05/05/94	6.03	-3.34	55	1,000 ⁶	ND	ND	ND	ND	--
	06/07/94	6.10	-3.41	--	--	--	--	--	--	--
	07/05/94	6.38	-3.69	--	--	--	--	--	--	--
	08/02/94	6.67	-3.98	110	95 ⁶	ND	ND	ND	ND	--
	11/07/94	6.08	-3.39	120 ⁵	1,100 ⁶	ND	ND	ND	ND	--
	12/03/94	4.68	-1.99	--	--	--	--	--	--	--
	01/10/95	4.21	-1.52	--	--	--	--	--	--	--
	02/01/95	4.26	-1.57	72 ⁴	560 ⁶	ND	ND	ND	ND	--
	03/03/95	4.94	-2.25	--	--	--	--	--	--	--
	05/02/95	4.80	-2.11	99	840 ⁶	ND	ND	ND	9.5	--
	08/01/95	5.79	-3.10	260	ND	ND	ND	ND	ND	--
	11/01/95	6.95	-4.26	280	ND	ND	ND	ND	ND	830
	02/01/96	4.31	-1.62	320 ⁴	ND	ND	ND	ND	ND	1,300
	02/04/97	6.59	-3.90	--	ND	ND	ND	ND	ND	ND
	02/05/98	3.76	-1.07	--	ND	ND	ND	ND	ND	500
	02/04/99	4.68	-1.99	--	ND ⁹	ND ⁹	ND ⁹	ND ⁹	ND ⁹	620/850 ^{10,11}
	02/02/00	4.85	-2.16	--	ND	ND	ND	ND	ND	737/696 ¹⁰
	03/05/01	4.81	-2.12	--	ND	ND	ND	ND	ND	121
	02/22/02	4.53	-1.84	--	<50	<0.50	<0.50	<0.50	<0.50	870/780 ¹⁰
	03/10/03 ¹⁹	4.98	-2.29	--	370 ¹⁶	<2.5	<2.5	<2.5	<5.0	320
MW-11										
2.63	08/10/01 ¹⁷	5.70	-3.07	110 ¹⁶	<50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 ¹⁰
	02/22/02	5.43	-2.80	99 ¹⁸	<50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 ¹⁰
	03/10/03 ¹⁹	5.41	-2.78	75 ¹⁶	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MWD										
(D)(MW6)	02/22/91	--	--	--	740	74	12	33	140	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank										
TB-LB	02/05/98	--	--	--	ND	ND	ND	ND	ND	ND
	02/04/99	--	--	--	ND	ND	ND	ND	ND	ND
	02/12/99	--	--	--	ND	ND	ND	ND	ND	ND
	02/02/00	--	--	--	ND	ND	ND	ND	ND	ND
	03/05/01	--	--	--	ND	ND	ND	ND	ND	ND
	08/10/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/22/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
QA	03/10/03 ¹⁹	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 5, 1998, were compiled from reports prepared by MPDS Services, Inc.

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

* TOC elevations were surveyed on September 11, 2001, using the previous benchmark. TOC elevations are relative to Mean Sea Level (msl), per the City of Oakland Benchmark No. 3881 (Elevation = 4.72 feet msl). Prior to November 11, 1993, DTW measurements were taken from the top of well covers.

- 1 TOG was ND.
- 2 TOG was detected at a concentration of 78 ppb.
- 3 TOG was detected at a concentration of 16 ppb.
- 4 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 5 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 6 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 7 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 8 ORC installed in well.
- 9 Detection limit raised. Refer to analytical reports.
- 10 MTBE by EPA Method 8260.
- 11 Laboratory analyzed sample 9 minutes past holding time.
- 12 Laboratory report indicates weathered gasoline C6-C12.
- 13 Laboratory report indicates gasoline C6-C12.
- 14 Laboratory report indicates MTBE by EPA Method 8260 was analyzed past EPA recommended holding time.
- 15 ORC present in well.
- 16 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 17 Well development performed.
- 18 Laboratory report indicates unidentified hydrocarbons C10-C28.
- 19 TPH-G, BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	03/05/01	ND ¹	ND ¹	585	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	02/22/02	<1,700	<330	500	<6.7	<6.7	<6.7	<6.7	<6.7
	03/10/03	<5,000	<1,000	480	<20	<20	<20	<20	<20
MW-2	03/05/01 ²	--	--	--	--	--	--	--	--
	02/22/02	<500	<100	18	<2.0	<2.0	<2.0	<2.0	<2.0
	03/10/03	<500	<100	68	<2.0	<2.0	<2.0	<2.0	<2.0
MW-3	03/05/01 ²	--	--	--	--	--	--	--	--
	02/22/02	<1,200	<250	280	<5.0	<5.0	<5.0	<5.0	<5.0
	03/10/03	<500	<100	100	<2.0	<2.0	<2.0	<2.0	<2.0
MW-4	03/05/01 ²	--	--	--	--	--	--	--	--
	03/10/03	--	--	<2.0	--	--	--	--	--
MW-5	02/22/02	<500	<100	11	<2.0	<2.0	<2.0	<2.0	<2.0
	03/10/03	<500	<100	6.6	<2.0	<2.0	<2.0	<2.0	<2.0
MW-6	03/05/01 ²	--	--	--	--	--	--	--	--
	02/22/02	<2,500	<500	790	<10	<10	<10	<10	<10
	03/10/03	<1,000	<200	150	<4.0	<4.0	<4.0	<4.0	<4.0
MW-7	03/10/03	--	--	<2.0	--	--	--	--	--
MW-8	03/10/03	--	--	<2.0	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-9	03/10/03	--	--	<2.0	--	--	--	--	--
MW-10	03/05/01 ²	--	--	--	--	--	--	--	--
	02/22/02	<3,100	<620	780	<12	<12	<12	<12	<12
	03/10/03	<2,500	<500	320	<10	<10	<10	<10	<10
MW-11	08/10/01	<1,000	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/22/02	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	03/10/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

EXPLANATIONS:

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

¹ Detection limit raised. Refer to analytical reports.

² Laboratory failed to run requested analysis.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Dissolved Oxygen Compounds
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	02/04/99	3.56	--
	02/02/00	3.83	--
	03/05/01	3.97	--
	02/22/02	4.38	--
	03/10/03	1.20	--
MW-2	08/28/98	0.70	--
	02/04/99	3.64	--
	02/02/00	3.28	--
	03/05/01	2.90	--
	02/22/02	2.66	--
	03/10/03	1.20	--
MW-3	02/04/99	5.34	--
	02/02/00	6.06	--
	03/05/01	4.93	--
	02/22/02	4.16	--
	03/10/03	1.20	--
MW-4	02/04/99	6.46	--
	02/02/00	5.93	--
	03/05/01	5.37	--
	08/09/01	6.40	3.3
	02/22/02	4.95	--
	03/10/03	0.80	--
MW-5	02/04/99	6.65	--
	02/02/00	6.35	--
	03/05/01	5.58	--
	02/22/02	5.21	--
	03/10/03	0.80	--
MW-6 ¹	08/29/98	0.32	--
	02/05/99	2.78	--
	02/02/00	3.12	--
	03/05/01	2.84	--
	02/22/02	3.25	--
	03/10/03	2.80	--

Table 3
Dissolved Oxygen Compounds
 Tosco (Unocal) Service Station #3135
 845 66th Avenue
 Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-7	02/04/99	5.05	--
	02/02/00	4.58	--
	03/05/01	4.81	--
	02/22/02	4.14	--
	03/10/03	1.40	--
MW-8	08/28/98	0.32	--
	02/04/99	4.95	--
	02/02/00	5.24	--
	03/05/01	4.71	--
	08/09/01	5.50	4.8
	02/22/02	5.10	--
	03/10/03	1.40	--
MW-9	02/04/99	4.77	--
	02/02/00	5.12	--
	03/05/01	5.28	--
	02/22/02	5.33	--
	03/10/03	1.10	--
MW-10	02/04/99	4.02	--
	02/02/00	4.84	--
	03/05/01	3.70	--
	08/09/01	3.60	4.4
	02/22/02	4.58	--
	03/10/03	1.60	--
MW-11	02/22/02	3.57	--
	03/10/03	1.50	--

EXPLANATIONS:

(mg/L) = milligrams per liter
 -- = Not Measured

NOTES:

¹ ORC installed in well.

Table 4
Groundwater Analytical Results
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

WELL ID	DATE	Nitrate as NO₃ (ppm)	Sulfate (ppm)	Redox Potential (mV)	Ferrous Iron (ppm)
MW-1	02/04/99	7.0	4.4	-054 ¹	--
	NP 02/12/99	--	--	470	3.3
	02/02/00	ND	13.7	484	0.0456
	03/05/01	3.41	7.12	492	0.0161
	02/22/02	<0.50	3.4	210	<0.10
	03/10/03	<1.0	8.3	180	4.2
MW-2	02/04/99	ND	12	-104 ¹	--
	NP 02/12/99	--	--	380	4.3
	02/02/00	ND	15.2	55.3 ²	1.70
	03/05/01	2.91	53.7	480	0.0812
	02/22/02	<0.50	38	270	<0.10
	03/10/03	<1.0	34	110	11
MW-3	02/04/99	ND	47	-064 ¹	--
	NP 02/12/99	--	--	460	1.4
	02/02/00	ND	26.0	45.0	0.123
	03/05/01	3.52	70.1	476	0.0279
	02/22/02	<0.50	49	250	<0.10
	03/10/03	<1.0	76	200	10
MW-4	02/04/99	5.4	15	007 ¹	--
	NP 02/12/99	--	--	610	6.0
	02/02/00	10.3	38.4	61.0	3.00
	03/05/01	4.63	5.65	474	0.114
	02/22/02	15	27	590	0.26
	03/10/03	15	42	230	1.2
MW-5	02/04/99	10	79	102 ¹	--
	NP 02/12/99	--	--	480	0.16
	02/02/00	12.1	98.4	83.7	0.0208
	03/05/01	3.49	5.43	470	0.123
	02/22/02	<0.50	39	630	<0.10
	03/10/03	<1.0	47	230	2.4
MW-6	02/04/99	ND	4.8	-034 ¹	--
	NP 02/12/99	--	--	400	3.2
	02/02/00	ND	8.91	71.5	0.217

Table 4
Groundwater Analytical Results
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

WELL ID	DATE	Nitrate as NO₃ (ppm)	Sulfate (ppm)	Redox Potential (mV)	Ferrous Iron (ppm)
MW-6 (cont)	03/05/01	2.95	ND ³	467	0.0791
	02/22/02	<0.50	<0.50	540	<0.10
	03/10/03	<1.0	38	230	1.7
MW-7	02/04/99	ND	4.6	-071 ¹	--
	NP 02/12/99	--	--	450	1.8
	02/02/00	ND	6.43	84.0	0.812
	03/05/01	3.20	ND ³	464	0.124
	02/22/02	<0.50	2.4	610	<0.10
	03/10/03	<1.0	14	230	5.3
MW-8	02/04/99	ND	41	90 ¹	--
	NP 02/12/99	--	--	470	0.15
	02/02/00	ND	47.5	111	ND
	03/05/01	25.0	28.8	455	ND
	02/22/02	0.56	37	630	<0.10
	03/10/03	<1.0	50	280	<0.20
MW-9	02/04/99	22	30	78 ¹	--
	NP 02/12/99	--	--	470	0.26
	02/02/00	20.6	36.5	172	ND
	03/05/01	27.1	30.5	468	ND
	02/22/02	22	28	620	<0.10
	03/10/03	27	29	250	<0.20
MW-10	02/04/99	ND	36	94 ¹	--
	NP 02/12/99	--	--	470	0.24
	02/02/00	ND	40.1	110	0.0165
	03/05/01	3.17	66.7	461	0.0248
	02/22/02	<0.50	30	590	<0.10
	03/10/03	<1.0	45	270	<0.20

Table 4
Groundwater Analytical Results
Tosco (Unocal) Service Station #3135
845 66th Avenue
Oakland, California

EXPLANATIONS:

(ppm) = Parts per million

(Mv) = millivolts

-- = Not Analyzed

- ¹ Redox Potential was measured in the field.
- ² Laboratory report indicates this value is actually negative.
- ³ Detection limit raised. Refer to analytical reports.

ANALYTICAL METHOD:

EPA Method 300.0 for Nitrate and Sulfate

EPA Method 6010 for Ferrous Iron

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#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 160067
 Event Date: 3/10/03 (inclusive)
 Sampler: Jim Heron

Well ID: MW-1
 Well Diameter: 2 in.
 Total Depth: 22.65 ft.
 Depth to Water: 6.89 ft.
15.76

Date Monitored: 3/10/03 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

17 xVF = 2.67 x3 (case volume) = Estimated Purge Volume: 8.07 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer X
 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): 1350 Weather Conditions: clear
 Sample Time/Date: 1410 3/10/03 Water Color: clear Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1354</u>	<u>2.5</u>	<u>6.94</u>	<u>1774</u>	<u>21.3</u>	<u>PRE: 1.2</u>	
<u>1358</u>	<u>5.0</u>	<u>6.94</u>	<u>1772</u>	<u>20.4</u>		
<u>1402</u>	<u>7.5</u>	<u>6.77</u>	<u>2052</u>	<u>21.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x vov vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Days(8290)
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8260)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: new twd taken

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135 Job Number: 180067
 Site Address: 845 66th Avenue Event Date: 3/10/03 (inclusive)
 City: Oakland, CA Sampler: Jim Henan

Well ID: MW-2 Date Monitored: 3/10/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 22.50 ft.
 Depth to Water: 6.72 ft.
 $15.78 \times VF .17 = 2.68 \times 3$ (case volume) = Estimated Purge Volume: 804 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): 1535 Weather Conditions: Clear
 Sample Time/Date: 1550 / 3/10/03 Water Color: Grey Odor: Yes
 Purging Flow Rate: _____ gpm. Sediment Description: 1.9 H₂O
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1538</u>	<u>2.8</u>	<u>7.49</u>	<u>711</u>	<u>18.8</u>	<u>Prec: 1.2</u>	
<u>1541</u>	<u>5.0</u>	<u>6.92</u>	<u>690</u>	<u>19.0</u>		
<u>1545</u>	<u>8.0</u>	<u>6.84</u>	<u>692</u>	<u>19.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxide(8268)
	x 600ml Amber	YES	NP	STL Pleasanton	TPH D(8015M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New TWD taken

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 190067
 Event Date: 3/10/03 (inclusive)
 Sampler: Jim Heillon

Well ID: MW-3 Date Monitored: 3/10/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 21.70 ft.
 Depth to Water: 4.73 ft.
 $16.97 \times VF .17 = 2.88 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 8.65 \text{ gal.}$

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
 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): 1615 Weather Conditions: Clear
 Sample Time/Date: 1625 / 3/10/03 Water Color: Clear Odor: Yes
 Purging Flow Rate: 3 gpm. Sediment Description: None
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1616</u>	<u>3</u>	<u>6.82</u>	<u>1337</u>	<u>19.7</u>	<u>re 1.2</u>	
<u>1617</u>	<u>6</u>	<u>6.82</u>	<u>1334</u>	<u>18.9</u>		
<u>1618</u>	<u>9</u>	<u>6.84</u>	<u>1340</u>	<u>18.0</u>	<u>5</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x vov vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxys(8260)
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New Twd taken

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 180067
 Event Date: 3/10/03 (inclusive)
 Sampler: Sim Heron

Well ID: MW-4 Date Monitored: 3/10/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 25.15 ft.
 Depth to Water: 4.12 ft.
21.03 xVF .17 = 3.57 x3 (case volume) = Estimated Purge Volume: 10.5 gal.

Volume Factor (VF)	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

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

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer X
 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): 1325 Weather Conditions: Clear
 Sample Time/Date: 1340 13/10/03 Water Color: Brown Odor: NO
 Purging Flow Rate: 3 gpm. Sediment Description: Heavy
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1327</u>	<u>3.5</u>	<u>7.60</u>	<u>1153</u>	<u>22.3</u>	<u>PRE 0.8</u>	
<u>1329</u>	<u>7.0</u>	<u>7.74</u>	<u>1166</u>	<u>21.1</u>		
<u>1331</u>	<u>10.5</u>	<u>7.98</u>	<u>1201</u>	<u>20.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x vov vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxys(8200)
	<u>1</u> x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	<u>1</u> x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	<u>1</u> x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	<u>1</u> x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New fluid taker

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2"



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135 Job Number: 180067
 Site Address: 845 66th Avenue Event Date: _____ (inclusive)
 City: Oakland, CA Sampler: _____

Well ID: MW-5 Date Monitored: 3/10/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 26.00 ft.

Depth to Water: 6.93 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

19.07 xVF .17 = 3.24 x3 (case volume) = Estimated Purge Volume: 9.72 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): 1430 Weather Conditions: clear
 Sample Time/Date: 1445 3/10/03 Water Color: clear Odor: NO
 Purging Flow Rate: 3 gpm. Sediment Description: no
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1431</u>	<u>3.5</u>	<u>7.08</u>	<u>977</u>	<u>19.9</u>	<u>PRE 0.8</u>	
<u>1432</u>	<u>7.0</u>	<u>7.02</u>	<u>938</u>	<u>19.2</u>		
<u>1433</u>	<u>10.0</u>	<u>6.84</u>	<u>912</u>	<u>19.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x vva vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxys(8200)
	3 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New fwd taken

Add/Replaced Lock:

Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135 Job Number: 180067
 Site Address: 845 66th Avenue Event Date: 3/10/03 (inclusive)
 City: Oakland, CA Sampler: Sim Heenan

Well ID: MW-6 Date Monitored: 3/10/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 25.80 ft.
 Depth to Water: 5.95 ft.
 $19.85 \times VF .17 = 3.37 \times 3$ (case volume) = Estimated Purge Volume: 10.12 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 X
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer X
 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): 1455 Weather Conditions: clear
 Sample Time/Date: 1515 3/10/03 Water Color: clear Odor: yes
 Purging Flow Rate: 3 gpm. Sediment Description: 1.9 NT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1456</u>	<u>3</u>	<u>7.76</u>	<u>1596</u>	<u>18.7</u>	<u>PRE 2.8</u>	
<u>1458</u>	<u>6</u>	<u>7.46</u>	<u>1584</u>	<u>19.4</u>		
<u>1459</u>	<u>10</u>	<u>7.49</u>	<u>1628</u>	<u>19.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/ 8-Oxy's(8260)</u>
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	<u>1</u> x 250ml Poly	<u>YES</u>	<u>HNO3</u>	<u>STL Pleasanton</u>	<u>FEROUS IRON</u>
	<u>1</u> x 500ml Poly	<u>YES</u>	<u>NP</u>	<u>STL Pleasanton</u>	<u>NITRATE/SULFATE</u>
	<u>1</u> x 250ml Poly	<u>YES</u>	<u>NP</u>	<u>STL Pleasanton</u>	<u>REDOX POTENTIAL</u>

COMMENTS: new TAD taken

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 180067
 Event Date: 3/10/03 (inclusive)
 Sampler: Jim Herrin

Well ID: MW-7 Date Monitored: 3/10/03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 19.92 ft.
 Depth to Water: 5.39 ft.
14.53 xVF

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

.17 = 2.47 x3 (case volume) = Estimated Purge Volume: 7.41 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): 1245 Weather Conditions: Clear
 Sample Time/Date: 1315/3/10/03 Water Color: Brown Odor: Yes
 Purging Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1247</u>	<u>2.5</u>	<u>7.32</u>	<u>1053</u>	<u>23.3</u>	<u>Pre 1.4</u>	
<u>1250</u>	<u>5.0</u>	<u>6.93</u>	<u>1007</u>	<u>20.8</u>		
<u>1253</u>	<u>7.5</u>	<u>6.92</u>	<u>1003</u>	<u>20.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x vva vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxys(8200)
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: new turb taken

Add/Replaced Lock: Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135 Job Number: 180067
 Site Address: 845 66th Avenue Event Date: 3/10/03 (inclusive)
 City: Oakland, CA Sampler: Sim Hannon

Well ID: MW-8 Date Monitored: 3/10/03 Well Condition: _____

Well Diameter: 2 in.
 Total Depth: 23.10 ft.
 Depth to Water: 6.56 ft.
16.54 xVF .17 = 2.81 x3 (case volume) = Estimated Purge Volume: 8.43 gal.

Volume Factor (VF)	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

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

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer X
 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): 1045 Weather Conditions: clear
 Sample Time/Date: 1115 3/10/03 Water Color: clear Odor: NO
 Purging Flow Rate: 3 gpm. Sediment Description: NO
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1046</u>	<u>3</u>	<u>6.99</u>	<u>512</u>	<u>21.0</u>	<u>PRE 1.1</u>	
<u>1047</u>	<u>6</u>	<u>6.85</u>	<u>520</u>	<u>20.3</u>		
<u>1048</u>	<u>9</u>	<u>6.83</u>	<u>553</u>	<u>20.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x vva vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ θ-Oxy's(8200)
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8615M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New tow & taken

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135 Job Number: 180067
 Site Address: 845 66th Avenue Event Date: 3/10/07 (inclusive)
 City: Oakland, CA Sampler: Jim Heenan

Well ID: MW-9 Date Monitored: 3/10/07 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 23.07 ft.
 Depth to Water: 6.16 ft.
 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

 xVF 1.17 = 2.87 x3 (case volume) = Estimated Purge Volume: 8.62 gal.

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

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer X
 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): 1005 Weather Conditions: Clear
 Sample Time/Date: 1025 / 3/10/07 Water Color: Clear Odor: NO
 Purging Flow Rate: 3 gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1025	<u>3</u>	<u>7.38</u>	<u>443</u>	<u>18.9</u>	<u>Pre - 1.1</u>	
<u>1006</u>	<u>6</u>	<u>7.10</u>	<u>427</u>	<u>18.7</u>		
1007	<u>9</u>	<u>7.07</u>	<u>426</u>	<u>18.6</u>		
<u>1008</u>						

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x vva vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)/ 8-Oxy's(8260)
	x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	1 x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	1 x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	1 x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: New well taken

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 180067
 Event Date: 3-10-03 (inclusive)
 Sampler: Sim Herron

Well ID: MW-10
 Well Diameter: 2 in.
 Total Depth: 23.05 ft.
 Depth to Water: 4.98 ft.
18.07 xVF .17 = 3.07

Date Monitored: 3/10/03 Well Condition: see notes

Volume Factor (VF)	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

x3 (case volume) = Estimated Purge Volume: 9.21 gal.

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

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer X
 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): 0925 Weather Conditions: clear
 Sample Time/Date: 0950 3/10/03 Water Color: clear Odor: no
 Purging Flow Rate: 3 gpm. Sediment Description: none
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0929</u>	<u>3</u>	<u>7.08</u>	<u>1269</u>	<u>17.6</u>	<u>pre 1.60</u>	
<u>0930</u>	<u>6</u>	<u>6.90</u>	<u>1300</u>	<u>18.1</u>		
<u>0931</u>	<u>9</u>	<u>6.76</u>	<u>1283</u>	<u>19.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3</u> x vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)/</u> <u>8-Oxys(8260)</u>
1 x Amber TPH	x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	x 250ml Poly	YES	HNO3	STL Pleasanton	FERROUS IRON
	x 300ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: Well Box Full of mud / Rock, spent 1 Hour cleaning out
new tool taken

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2 1/2"

These were ran on this well



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#3135
 Site Address: 845 66th Avenue
 City: Oakland, CA

Job Number: 180067
 Event Date: 3/10/03 (inclusive)
 Sampler: Jim Herron

Well ID: MW-11
 Well Diameter: 2 in.
 Total Depth: 20.51 ft.
 Depth to Water: 5.41 ft.
15.10 xVF .17 = 2.56 x3 (case volume) = Estimated Purge Volume: 7.70 gal.

Date Monitored: 3/10/03 Well Condition: G/C

Volume Factor (VF)	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

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

Sampling Equipment:
 Disposable Bailer X
 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): 1150 Weather Conditions: Clear
 Sample Time/Date: 1215 / 3/10/03 Water Color: Greenish Blue Odor: Yes
 Purging Flow Rate: - gpm. Sediment Description: No
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1154</u>	<u>2.5</u>	<u>7.58</u>	<u>1338</u>	<u>22.7</u>	<u>PRE: 1.5</u>	
<u>1157</u>	<u>5.0</u>	<u>7.49</u>	<u>1356</u>	<u>20.6</u>		
<u>1201</u>	<u>7.5</u>	<u>7.49</u>	<u>1376</u>	<u>20.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260) 8 Oxy's(8260)
	1 x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)
	x 250ml Poly	YES	HNOS	STL Pleasanton	FERROUS IRON
	x 500ml Poly	YES	NP	STL Pleasanton	NITRATE/SULFATE
	x 250ml Poly	YES	NP	STL Pleasanton	REDOX POTENTIAL

COMMENTS: new turb taken

Add/Replaced Lock: X Add/Replaced Plug: X Size: 2"

200303-0198

72533

Gettler-Ryan Inc., Chain-of-Custody

P.1

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

Facility Number #3135 Facility Address 845 66th Avenue, Oakland, CA Global ID T0600101488 Project 180067.80 Client Contact Mr. David DeWitt Phone 925-277-2384

Laboratory Name STL PLEASANTON 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 Jim Herron

9256003002

Table with columns: SAMPLE ID, Number of Containers, Matrix, Sample Preservation, Date/Time, TPH-GAS, TPH-DIESEL, TPH-DIESEL w/Sludge, TPH-GAS, TPH-GAS/SITE, ORGANOGENATES, METHANOL, TOTAL OIL & GREASE, METALS, NITRATE/SULFATE/ALKALINITY, HMOG'S, VOC'S, SWO'S, FERROUS IRON, REDOX POTENTIAL, Remarks.

st10n site

Mar 28 03 06:53p

FILE NAME: P:\Environ\ChainofCustody\541-000-009 | Layout Page 1 of 4

Relinquished By (Signature), Organization, Date/Time, Received By (Signature), Organization, Date/Time, Iced Y/N, Turn Around Time (Circle Choice), As Contracted

Gettler Ryan

March 28, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180067.80

Project: Tosco # 3135

Site: 845 66th Avenue
Oakland, CA

RECEIVED
MAR 28 2003
GETTLER RYAN INC.
SAN FRANCISCO, CA

Dear Ms. Harding,

Attached is our report for your samples received on 03/11/2003 17:30

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

Please note that any unused portion of the samples will be discarded after 04/25/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/10/2003 14:10	Water	2
MW-2	03/10/2003 15:50	Water	3
MW-3	03/10/2003 16:25	Water	4
MW-4	03/10/2003 13:40	Water	5
MW-5	03/10/2003 14:45	Water	6
MW-6	03/10/2003 15:15	Water	7
MW-7	03/10/2003 13:15	Water	8
MW-8	03/10/2003 11:15	Water	9
MW-9	03/10/2003 10:25	Water	10
MW-10	03/10/2003 09:50	Water	11
MW-11	03/10/2003 12:15	Water	12

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

03/17/2003 16:05

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

 Site: 845 66th Avenue
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2003-03-0198 - 2
Sampled: 03/10/2003 14:10	Extracted: 3/12/2003 13:14
Matrix: Water	QC Batch#: 2003/03/12-01.27
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	03/12/2003 13:14	
Benzene	ND	5.0	ug/L	10.00	03/12/2003 13:14	
Toluene	ND	5.0	ug/L	10.00	03/12/2003 13:14	
Ethylbenzene	ND	5.0	ug/L	10.00	03/12/2003 13:14	
Total xylenes	ND	10	ug/L	10.00	03/12/2003 13:14	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	10.00	03/12/2003 13:14	
Methyl tert-butyl ether (MTBE)	480	20	ug/L	10.00	03/12/2003 13:14	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	03/12/2003 13:14	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	03/12/2003 13:14	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	03/12/2003 13:14	
1,2-DCA	ND	20	ug/L	10.00	03/12/2003 13:14	
EDB	ND	20	ug/L	10.00	03/12/2003 13:14	
Ethanol	ND	5000	ug/L	10.00	03/12/2003 13:14	
Surrogates(s)						
1,2-Dichloroethane-d4	96.7	76-114	%	10.00	03/12/2003 13:14	
Toluene-d8	96.8	88-110	%	10.00	03/12/2003 13:14	

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: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-2	Lab ID: 2003-03-0198 - 3
Sampled: 03/10/2003 15:50	Extracted: 3/14/2003 12:25
Matrix: Water	QC Batch#: 2003/03/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	430	50	ug/L	1.00	03/14/2003 12:25	
Benzene	2.8	0.50	ug/L	1.00	03/14/2003 12:25	
Toluene	ND	0.50	ug/L	1.00	03/14/2003 12:25	
Ethylbenzene	48	0.50	ug/L	1.00	03/14/2003 12:25	
Total xylenes	76	1.0	ug/L	1.00	03/14/2003 12:25	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/14/2003 12:25	
Methyl tert-butyl ether (MTBE)	68	2.0	ug/L	1.00	03/14/2003 12:25	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/14/2003 12:25	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/14/2003 12:25	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/14/2003 12:25	
1,2-DCA	ND	2.0	ug/L	1.00	03/14/2003 12:25	
EDB	ND	2.0	ug/L	1.00	03/14/2003 12:25	
Ethanol	ND	500	ug/L	1.00	03/14/2003 12:25	
Surrogates(s)						
1,2-Dichloroethane-d4	106.7	76-114	%	1.00	03/14/2003 12:25	
Toluene-d8	98.5	88-110	%	1.00	03/14/2003 12:25	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue

Oakland, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-3 Lab ID: 2003-03-0198 - 4
 Sampled: 03/10/2003 16:25 Extracted: 3/12/2003 14:06
 Matrix: Water QC Batch#: 2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 14:06	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 14:06	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 14:06	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 14:06	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 14:06	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/12/2003 14:06	
Methyl tert-butyl ether (MTBE)	100	2.0	ug/L	1.00	03/12/2003 14:06	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/12/2003 14:06	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/12/2003 14:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/12/2003 14:06	
1,2-DCA	ND	2.0	ug/L	1.00	03/12/2003 14:06	
EDB	ND	2.0	ug/L	1.00	03/12/2003 14:06	
Ethanol	ND	500	ug/L	1.00	03/12/2003 14:06	
Surrogates(s)						
1,2-Dichloroethane-d4	99.1	76-114	%	1.00	03/12/2003 14:06	
Toluene-d8	99.9	88-110	%	1.00	03/12/2003 14:06	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue

Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2003-03-0198 - 5
Sampled:	03/10/2003 13:40	Extracted:	3/12/2003 14:28
Matrix:	Water	QC Batch#:	2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 14:28	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 14:28	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 14:28	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 14:28	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 14:28	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/12/2003 14:28	
Surrogates(s)						
1,2-Dichloroethane-d4	95.4	76-114	%	1.00	03/12/2003 14:28	
Toluene-d8	97.7	88-110	%	1.00	03/12/2003 14:28	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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6747 Sierra Court Suite J

Dublin, CA 94568

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 5030B
Sample ID: MW-6
Sampled: 03/10/2003 15:15
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260FAB
Lab ID: 2003-03-0198 - 7
Extracted: 3/14/2003 12:47
QC Batch#: 2003/03/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200	100	ug/L	2.00	03/14/2003 12:47	
Benzene	13	1.0	ug/L	2.00	03/14/2003 12:47	
Toluene	ND	1.0	ug/L	2.00	03/14/2003 12:47	
Ethylbenzene	53	1.0	ug/L	2.00	03/14/2003 12:47	
Total xylenes	45	2.0	ug/L	2.00	03/14/2003 12:47	
tert-Butyl alcohol (TBA)	ND	200	ug/L	2.00	03/14/2003 12:47	
Methyl tert-butyl ether (MTBE)	150	4.0	ug/L	2.00	03/14/2003 12:47	
Di-isopropyl Ether (DIPE)	ND	4.0	ug/L	2.00	03/14/2003 12:47	
Ethyl tert-butyl ether (ETBE)	ND	4.0	ug/L	2.00	03/14/2003 12:47	
tert-Amyl methyl ether (TAME)	ND	4.0	ug/L	2.00	03/14/2003 12:47	
1,2-DCA	ND	4.0	ug/L	2.00	03/14/2003 12:47	
EDB	ND	4.0	ug/L	2.00	03/14/2003 12:47	
Ethanol	ND	1000	ug/L	2.00	03/14/2003 12:47	
Surrogates(s)						
1,2-Dichloroethane-d4	112.1	76-114	%	2.00	03/14/2003 12:47	
Toluene-d8	97.8	88-110	%	2.00	03/14/2003 12:47	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

 Site: 845 66th Avenue
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2003-03-0198 - 6
Sampled:	03/10/2003 14:45	Extracted:	3/12/2003 14:49
Matrix:	Water	QC Batch#:	2003/03/12-01:27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 14:49	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 14:49	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 14:49	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 14:49	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 14:49	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/12/2003 14:49	
Methyl tert-butyl ether (MTBE)	6.6	2.0	ug/L	1.00	03/12/2003 14:49	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/12/2003 14:49	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/12/2003 14:49	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/12/2003 14:49	
1,2-DCA	ND	2.0	ug/L	1.00	03/12/2003 14:49	
EDB	ND	2.0	ug/L	1.00	03/12/2003 14:49	
Ethanol	ND	500	ug/L	1.00	03/12/2003 14:49	
Surrogates(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	03/12/2003 14:49	
Toluene-d8	99.2	88-110	%	1.00	03/12/2003 14:49	

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: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-7	Lab ID: 2003-03-0198 - 8
Sampled: 03/10/2003 13:15	Extracted: 3/12/2003 15:32
Matrix: Water	QC Batch#: 2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 15:32	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 15:32	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 15:32	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 15:32	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 15:32	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/12/2003 15:32	
Surrogates(s)						
1,2-Dichloroethane-d4	96.1	76-114	%	1.00	03/12/2003 15:32	
Toluene-d8	98.3	88-110	%	1.00	03/12/2003 15:32	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-8	Lab ID:	2003-03-0198 - 9
Sampled:	03/10/2003 11:15	Extracted:	3/12/2003 15:54
Matrix:	Water	QC Batch#:	2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 15:54	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 15:54	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 15:54	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 15:54	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 15:54	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/12/2003 15:54	
Surrogates(s)						
1,2-Dichloroethane-d4	98.7	76-114	%	1.00	03/12/2003 15:54	
Toluene-d8	100.7	88-110	%	1.00	03/12/2003 15:54	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue

Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-9	Lab ID: 2003-03-0198 - 10
Sampled: 03/10/2003 10:25	Extracted: 3/12/2003 16:16
Matrix: Water	QC Batch#: 2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 16:16	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 16:16	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 16:16	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 16:16	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 16:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/12/2003 16:16	
Surrogates(s)						
1,2-Dichloroethane-d4	98.0	76-114	%	1.00	03/12/2003 16:16	
Toluene-d8	98.4	88-110	%	1.00	03/12/2003 16:16	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue

Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-10	Lab ID: 2003-03-0198 - 11
Sampled: 03/10/2003 09:50	Extracted: 3/14/2003 13:09
Matrix: Water	QC Batch#: 2003/03/14-01.62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	370	250	ug/L	5.00	03/14/2003 13:09	g
Benzene	ND	2.5	ug/L	5.00	03/14/2003 13:09	
Toluene	ND	2.5	ug/L	5.00	03/14/2003 13:09	
Ethylbenzene	ND	2.5	ug/L	5.00	03/14/2003 13:09	
Total xylenes	ND	5.0	ug/L	5.00	03/14/2003 13:09	
tert-Butyl alcohol (TBA)	ND	500	ug/L	5.00	03/14/2003 13:09	
Methyl tert-butyl ether (MTBE)	320	10	ug/L	5.00	03/14/2003 13:09	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	03/14/2003 13:09	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	03/14/2003 13:09	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	03/14/2003 13:09	
1,2-DCA	ND	10	ug/L	5.00	03/14/2003 13:09	
EDB	ND	10	ug/L	5.00	03/14/2003 13:09	
Ethanol	ND	2500	ug/L	5.00	03/14/2003 13:09	
Surrogates(s)						
1,2-Dichloroethane-d4	110.5	76-114	%	5.00	03/14/2003 13:09	
Toluene-d8	101.1	88-110	%	5.00	03/14/2003 13:09	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

 Site: 845 66th Avenue
Oakland, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-11	Lab ID:	2003-03-0198 - 12
Sampled:	03/10/2003 12:15	Extracted:	3/12/2003 17:42
Matrix:	Water	QC Batch#:	2003/03/12-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 17:42	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 17:42	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 17:42	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2003 17:42	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2003 17:42	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/12/2003 17:42	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/12/2003 17:42	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/12/2003 17:42	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/12/2003 17:42	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/12/2003 17:42	
1,2-DCA	ND	2.0	ug/L	1.00	03/12/2003 17:42	
EDB	ND	2.0	ug/L	1.00	03/12/2003 17:42	
Ethanol	ND	500	ug/L	1.00	03/12/2003 17:42	
Surrogates(s)						
1,2-Dichloroethane-d4	96.0	76-114	%	1.00	03/12/2003 17:42	
Toluene-d8	98.6	88-110	%	1.00	03/12/2003 17:42	

Severn Trent Laboratories, Inc.

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03/17/2003 16:05

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/12-01.27-019

Water

Test(s): 8260FAB

QC Batch # 2003/03/12-01.27

Date Extracted: 03/12/2003 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/12/2003 12:41	
Benzene	ND	0.5	ug/L	03/12/2003 12:41	
Toluene	ND	0.5	ug/L	03/12/2003 12:41	
Ethylbenzene	ND	0.5	ug/L	03/12/2003 12:41	
Total xylenes	ND	1.0	ug/L	03/12/2003 12:41	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/12/2003 12:41	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/12/2003 12:41	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/12/2003 12:41	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/12/2003 12:41	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/12/2003 12:41	
1,2-DCA	ND	2.0	ug/L	03/12/2003 12:41	
EDB	ND	2.0	ug/L	03/12/2003 12:41	
Ethanol	ND	500	ug/L	03/12/2003 12:41	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	76-114	%	03/12/2003 12:41	
Toluene-d8	96.0	88-110	%	03/12/2003 12:41	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/14-01.62-061

Water

Test(s): 8260FAB

QC Batch # 2003/03/14-01.62

Date Extracted: 03/14/2003 10:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/14/2003 10:33	
Benzene	ND	0.5	ug/L	03/14/2003 10:33	
Toluene	ND	0.5	ug/L	03/14/2003 10:33	
Ethylbenzene	ND	0.5	ug/L	03/14/2003 10:33	
Total xylenes	ND	1.0	ug/L	03/14/2003 10:33	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/14/2003 10:33	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/14/2003 10:33	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/14/2003 10:33	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/14/2003 10:33	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/14/2003 10:33	
1,2-DCA	ND	2.0	ug/L	03/14/2003 10:33	
EDB	ND	2.0	ug/L	03/14/2003 10:33	
Ethanol	ND	500	ug/L	03/14/2003 10:33	
Surrogates(s)					
1,2-Dichloroethane-d4	109.8	76-114	%	03/14/2003 10:33	
Toluene-d8	98.0	88-110	%	03/14/2003 10:33	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/12-01.27

LCS 2003/03/12-01.27-005

Extracted: 03/12/2003

Analyzed: 03/12/2003 11:57

LCSD 2003/03/12-01.27-006

Extracted: 03/12/2003

Analyzed: 03/12/2003 12:20

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	21.9	24.5	25.0	87.6	98.0	11.2	69-129	20		
Toluene	23.0	25.2	25.0	92.0	100.8	9.1	70-130	20		
Methyl tert-butyl ether (MTBE)	27.9	31.6	25.0	111.6	126.4	12.4	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481	504	500	96.2	100.8		76-114			
Toluene-d8	485	481	500	97.0	96.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/14-01.62

LCS 2003/03/14-01.62-049

Extracted: 03/14/2003

Analyzed: 03/14/2003 09:49

LCSD 2003/03/14-01.62-011

Extracted: 03/14/2003

Analyzed: 03/14/2003 10:11

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	23.2	22.4	25.0	92.8	89.6	3.5	69-129	20		
Toluene	24.1	23.3	25.0	96.4	93.2	3.4	70-130	20		
Methyl tert-butyl ether (MTBE)	22.1	21.3	25.0	88.4	85.2	3.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	555	556	500	111.0	111.2		76-114			
Toluene-d8	501	498	500	100.2	99.6		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/12-01.27

MW-9 >> MS

Lab ID: 2003-03-0198 - 010

MS: 2003/03/12-01.27-017

Extracted: 03/12/2003

Analyzed: 03/12/2003 16:37

Dilution: 1.00

MSD: 2003/03/12-01.27-018

Extracted: 03/12/2003

Analyzed: 03/12/2003 16:59

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	24.7	ND	25.0	88.8	98.8	10.7	69-129	20		
Toluene	23.5	25.6	ND	25.0	94.0	102.4	8.6	70-130	20		
Methyl tert-butyl ether	26.4	30.1	ND	25.0	105.6	120.4	13.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	478	483		500	95.5	96.7		76-114			
Toluene-d8	511	509		500	102.1	101.7		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

Diesel

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-11	03/10/2003 12:15	Water	12

Diesel

Gettler Ryan

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-11	Lab ID: 2003-03-0198 - 12
Sampled: 03/10/2003 12:15	Extracted: 3/11/2003 05:59
Matrix: Water	QC Batch#: 2003/03/11-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	75	50	ug/L	1.00	03/12/2003 19:37	ndp
<i>Surrogates(s)</i> o-Terphenyl	94.0	60-130	%	1.00	03/12/2003 19:37	

Diesel

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2003/03/11-01.10-001

Water

Test(s): 8015M

QC Batch # 2003/03/11-01.10

Date Extracted: 03/11/2003 05:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	03/11/2003 13:49	
Surrogates(s) o-Terphenyl	90.5	60-130	%	03/11/2003 13:49	

Diesel

Gettler Ryan
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Dublin, CA 94568
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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/03/11-01.10

LCS 2003/03/11-01.10-002

Extracted: 03/11/2003

Analyzed: 03/11/2003 14:27

LCSD 2003/03/11-01.10-003

Extracted: 03/11/2003

Analyzed: 03/11/2003 15:04

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	983	952	1000	98.3	95.2	3.2	60-130	25		
Surrogates(s) o-Terphenyl	22.7	19.8	20.0	113.5	99.1		60-130	0		

Diesel

Gettler Ryan

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Misc Anions by Ion Chromatograph

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/10/2003 14:10	Water	2
MW-2	03/10/2003 15:50	Water	3
MW-3	03/10/2003 16:25	Water	4
MW-4	03/10/2003 13:40	Water	5
MW-5	03/10/2003 14:45	Water	6
MW-6	03/10/2003 15:15	Water	7
MW-7	03/10/2003 13:15	Water	8
MW-8	03/10/2003 11:15	Water	9
MW-9	03/10/2003 10:25	Water	10
MW-10	03/10/2003 09:50	Water	11

Severn Trent Laboratories, Inc.

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03/21/2003 10:50

Page 1 of 14

Misc Anions by Ion Chromatograph

Gettler Ryan

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Dublin, CA 94568

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-1	Lab ID: 2003-03-0198 - 2
Sampled: 03/10/2003 14:10	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	8.3	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

Gettler Ryan

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	MW-2	Lab ID:	2003-03-0198 - 3
Sampled:	03/10/2003 15:50	Extracted:	3/12/2003 00:00
Matrix:	Water	QC Batch#:	2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	34	1.0	mg/L	1.00	03/12/2003	

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03/21/2003 10:50

Page 3 of 14

Misc Anions by Ion Chromatograph

Gettler Ryan
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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-3	Lab ID: 2003-03-0198 - 4
Sampled: 03/10/2003 16:25	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	76	2.0	mg/L	2.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-4	Lab ID: 2003-03-0198 - 5
Sampled: 03/10/2003 13:40	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	15	1.0	mg/L	1.00	03/12/2003	
Sulfate	42	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-5	Lab ID: 2003-03-0198 - 6
Sampled: 03/10/2003 14:45	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	47	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-6	Lab ID: 2003-03-0198 - 7
Sampled: 03/10/2003 15:15	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	38	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-7	Lab ID: 2003-03-0198 - 8
Sampled: 03/10/2003 13:15	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	14	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-8	Lab ID: 2003-03-0198 - 9
Sampled: 03/10/2003 11:15	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	50	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

Gettler Ryan

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-9	Lab ID: 2003-03-0198 - 10
Sampled: 03/10/2003 10:25	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	27	1.0	mg/L	1.00	03/12/2003	
Sulfate	29	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 300.0/9056	Test(s): 300.0/9056
Sample ID: MW-10	Lab ID: 2003-03-0198 - 11
Sampled: 03/10/2003 09:50	Extracted: 3/12/2003 00:00
Matrix: Water	QC Batch#: 2003/03/12-02.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	ND	1.0	mg/L	1.00	03/12/2003	
Sulfate	45	1.0	mg/L	1.00	03/12/2003	

Misc Anions by Ion Chromatograph

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 300.0/9056

Method Blank

MB: 2003/03/12-02.41-001

Water

Test(s): 300.0/9056

QC Batch # 2003/03/12-02.41

Date Extracted: 03/12/2003

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	1.0	mg/L	03/12/2003	
Sulfate	ND	1.0	mg/L	03/12/2003	

Misc Anions by Ion Chromatograph

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Laboratory Control Spike

Water

QC Batch # 2003/03/12-02.41

LCS 2003/03/12-02.41-002

Extracted: 03/12/2003

Analyzed: 03/12/2003

LCSD 2003/03/12-02.41-003

Extracted: 03/12/2003

Analyzed: 03/12/2003

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Nitrate	19.2	19.2	20.0	96.0	96.0	0.0	80-120	20		
Sulfate	19.2	19.2	20.0	96.0	96.0	0.0	80-120	20		

Misc Anions by Ion Chromatograph

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899
Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 300.0/9056

Test(s): 300.0/9056

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/12-02.41

MW-7 >> MS

Lab ID: 2003-03-0198 - 008

MS: 2003/03/12-02.41-004

Extracted: 03/12/2003

Analyzed: 03/12/2003

Dilution: 1.00

MSD: 2003/03/12-02.41-005

Extracted: 03/12/2003

Analyzed: 03/12/2003

Dilution: 1.00

Compound	Conc. mg/L			Spk. Level	Recovery			Limits %		Flags	
	MS	MSD	Sample		mg/L	MS	MSD	RPD	Rec.	RPD	MS
Nitrate	18.9	19.0	ND	20.0	94.5	95.0	0.5	80-120	20		
Sulfate	34.0	34.0	14.2	20.0	99.0	99.0	0.0	80-120	20		

Metals

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/10/2003 14:10	Water	2
MW-2	03/10/2003 15:50	Water	3
MW-3	03/10/2003 16:25	Water	4
MW-4	03/10/2003 13:40	Water	5
MW-5	03/10/2003 14:45	Water	6
MW-6	03/10/2003 15:15	Water	7
MW-7	03/10/2003 13:15	Water	8
MW-8	03/10/2003 11:15	Water	9
MW-9	03/10/2003 10:25	Water	10
MW-10	03/10/2003 09:50	Water	11

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

03/21/2003 10:50

Page 1 of 14

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-1	Lab ID: 2003-03-0198 - 2
Sampled: 03/10/2003 14:10	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	4.2	0.20	mg/L	1.00	03/13/2003 13:01	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-2	Lab ID: 2003-03-0198 - 3
Sampled: 03/10/2003 15:50	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	11	0.20	mg/L	1.00	03/13/2003 13:26	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-3	Lab ID:	2003-03-0198 - 4
Sampled:	03/10/2003 16:25	Extracted:	3/13/2003 06:05
Matrix:	Water	QC Batch#:	2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	10	0.20	mg/L	1.00	03/13/2003 13:30	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-4	Lab ID: 2003-03-0198 - 5
Sampled: 03/10/2003 13:40	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	1.2	0.20	mg/L	1.00	03/13/2003 13:35	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-5	Lab ID:	2003-03-0198 - 6
Sampled:	03/10/2003 14:45	Extracted:	3/13/2003 06:05
Matrix:	Water	QC Batch#:	2003/03/13-02:15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	2.4	0.20	mg/L	1.00	03/13/2003 13:39	

Metals

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-6	Lab ID: 2003-03-0198 - 7
Sampled: 03/10/2003 15:15	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	1.7	0.20	mg/L	1.00	03/13/2003 13:44	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-7	Lab ID: 2003-03-0198 - 8
Sampled: 03/10/2003 13:15	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	5.3	0.20	mg/L	1.00	03/13/2003 13:48	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-8	Lab ID: 2003-03-0198 - 9
Sampled: 03/10/2003 11:15	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	03/13/2003 13:53	

Metals

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s):	3010A	Test(s):	6010B
Sample ID:	MW-9	Lab ID:	2003-03-0198 - 10
Sampled:	03/10/2003 10:25	Extracted:	3/13/2003 06:05
Matrix:	Water	QC Batch#:	2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	03/13/2003 13:57	

Metals

Gettler Ryan

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6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 3010A	Test(s): 6010B
Sample ID: MW-10	Lab ID: 2003-03-0198 - 11
Sampled: 03/10/2003 09:50	Extracted: 3/13/2003 06:05
Matrix: Water	QC Batch#: 2003/03/13-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Iron	ND	0.20	mg/L	1.00	03/13/2003 14:19	

Metals

Gettler Ryan

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Project: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 3010A

Method Blank

MB: 2003/03/13-02.15-075

Water

Test(s): 6010B

QC Batch # 2003/03/13-02.15

Date Extracted: 03/13/2003 06:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Iron	ND	0.20	mg/L	03/13/2003 12:40	

Metals

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899
Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike

Water

QC Batch # 2003/03/13-02.15

LCS 2003/03/13-02.15-076

Extracted: 03/13/2003

Analyzed: 03/13/2003 12:44

LCSD 2003/03/13-02.15-077

Extracted: 03/13/2003

Analyzed: 03/13/2003 12:48

Compound	Conc. mg/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Iron	4.86	4.89	5.00	97.2	97.8	0.6	80-120	20		

Metals

Gettler Ryan
Attn.: Deanna Harding

6747 Sierra Court Suite J
Dublin, CA 94568
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/13-02.15

MW-1 >> MS

Lab ID: 2003-03-0198 - 002

MS: 2003/03/13-02.15-083

Extracted: 03/13/2003

Analyzed: 03/13/2003 13:17

Dilution: 1.00

MSD: 2003/03/13-02.15-084

Extracted: 03/13/2003

Analyzed: 03/13/2003 13:22

Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Iron	9.26	9.19	4.23	5.00	100.6	99.2	1.4	75-125	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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	03/10/2003	Water	1

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: 180067.80
Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: QA	Lab ID: 2003-03-0198 - 1
Sampled: 03/10/2003	Extracted: 3/24/2003 14:48
Matrix: Water	QC Batch#: 2003/03/24-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/24/2003 14:48	
Benzene	ND	0.50	ug/L	1.00	03/24/2003 14:48	
Toluene	ND	0.50	ug/L	1.00	03/24/2003 14:48	
Ethylbenzene	ND	0.50	ug/L	1.00	03/24/2003 14:48	
Total xylenes	ND	1.0	ug/L	1.00	03/24/2003 14:48	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/24/2003 14:48	
Surrogates(s)						
1,2-Dichloroethane-d4	102.3	76-114	%	1.00	03/24/2003 14:48	
Toluene-d8	101.9	88-110	%	1.00	03/24/2003 14:48	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue
Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/24-01.62-042

Water

Test(s): 8260FAB

QC Batch # 2003/03/24-01.62

Date Extracted: 03/24/2003 13:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/24/2003 13:42	
Benzene	ND	0.5	ug/L	03/24/2003 13:42	
Toluene	ND	0.5	ug/L	03/24/2003 13:42	
Ethylbenzene	ND	0.5	ug/L	03/24/2003 13:42	
Total xylenes	ND	1.0	ug/L	03/24/2003 13:42	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/24/2003 13:42	
Surrogates(s)					
1,2-Dichloroethane-d4	105.8	76-114	%	03/24/2003 13:42	
Toluene-d8	98.5	88-110	%	03/24/2003 13:42	

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: 180067.80

Tosco # 3135

Received: 03/11/2003 17:30

Site: 845 66th Avenue

Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/24-01.62

LCS 2003/03/24-01.62-055

Extracted: 03/24/2003

Analyzed: 03/24/2003 09:55

LCSD 2003/03/24-01.62-017

Extracted: 03/24/2003

Analyzed: 03/24/2003 10:17

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	19.3	19.2	25.0	77.2	76.8	0.5	69-129	20		
Toluene	21.0	20.7	25.0	84.0	82.8	1.4	70-130	20		
Methyl tert-butyl ether (MTBE)	16.9	17.2	25.0	67.6	68.8	1.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	525	495	500	105.0	99.0		76-114			
Toluene-d8	507	495	500	101.4	99.0		88-110			

California State Certified Laboratory No.2153

C E R C O
 analytical, inc.

Ms. Tina Totorica
 STL San Francisco
 1220 Quarry Lane, #C
 Pleasanton, CA 94566-4756

3942-A Valley Avenue
 Pleasanton, CA 94566-4715
 Tel: 925.462.2771
 Fax: 925.462.2775


Sample Source:
 Project No.: 2003-03-0198
 Project Name: Tosco #3135
 Date Sampled: 03/10/03
 Date Received: 03/12/03
 Matrix: Water

18 March, 2003
 Job No.0303085
 Sample No.001
 Cust. No.10176

Analyte	Results	Detection Limit	Method	Date Analyzed
Lab No.001 Sample I.D.: MW-1 Redox Potential	180-mV	--	ASTM D1498	03/12/03
Lab No.002 Sample I.D.: MW-2 Redox Potential	110-mV	--	ASTM D1498	03/12/03
Lab No.003 Sample I.D.: MW-3 Redox Potential	200-mV	--	ASTM D1498	03/12/03
Lab No.004 Sample I.D.: MW-4 Redox Potential	230-mV	--	ASTM D1498	03/12/03
Lab No.005 Sample I.D.: MW-5 Redox Potential	230-mV	--	ASTM D1498	03/12/03
Lab No.006 Sample I.D.: MW-6 Redox Potential	230-mV	--	ASTM D1498	03/12/03
Lab No.007 Sample I.D.: MW-7 Redox Potential	230-mV	--	ASTM D1498	03/12/03
Lab No.008 Sample I.D.: MW-8 Redox Potential	280-mV	--	ASTM D1498	03/12/03

STL San Francisco
 18 March, 2003
 Job No.0303085
 Page 2 of 2

Analyte	Results	Detection Limit	Method	Date Analyzed
Lab No.009 Sample I.D.: MW-9 Redox Potential	250-mV	--	ASTM D1498	03/12/03
Lab No.010 Sample I.D.: MW-10 Redox Potential	270-mV	--	ASTM D1498	03/12/03


 Cheryl McMillen
 Laboratory Director

QUALITY CONTROL DATA - Redox Potential
 Method No.: ASTM D1498
 Date Analyzed: March 12, 2003

Laboratory Duplicate Sample Summary
 Sample No.0303085-001

	Sample Results	Duplicate Result	Relative Percent Difference
Redox Potential (mV):	181.2	182.9	0.93
QC Limits (%):			20

Chain of Custody 2003-03-0198-1

Date Shipped: 03/12/2003

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
 Cerco Analytical - SUB CONTRACT ONLY
 3942 Valley Avenue, Suite A
 Pleasanton, CA 94566

Project Manager: Tod Granicher
 Phone: (925) 484-1919
 Fax: (925) 484-1096
 Email: tgranicher@stl-inc.com

Ext:
 Phone: (925) 462-2771
 Fax: (925) 462-2775
 Contact: Dariene Langford
 Phone: (925) 462-2771

CL Submission #: **2003-03-0198**
 CL PO #:

Project #: 180067.80
 Project Name: Tosco # 3135

CA 0303085

001
002
003
004
005
006
007

Client Sample ID	CL#	Sampled	Matrix	Due
Analysis			Method	
MW-1	002	03/10/2003 14:10	Water	03/25/2003 17:00
Subcontract - Others (Redox Potential)				
MW-2	003	03/10/2003 15:50	Water	03/25/2003 17:00
Subcontract - Others				
MW-3	004	03/10/2003 16:25	Water	03/25/2003 17:00
Subcontract - Others				
MW-4	005	03/10/2003 13:40	Water	03/25/2003 17:00
Subcontract - Others				
MW-5	006	03/10/2003 14:45	Water	03/25/2003 17:00
Subcontract - Others				
MW-6	007	03/10/2003 15:15	Water	03/25/2003 17:00
Subcontract - Others				
MW-7	008	03/10/2003 13:15	Water	03/25/2003 17:00
Subcontract - Others				

STD. TAT

RELINQUISHED BY: <i>D. Harrington</i> Signature: <i>D. Harrington</i> Time: 0840 Printed Name: STL-SF Date: 3/12/03 Company:	1. RELINQUISHED BY: <i>[Signature]</i> Signature: Time: 0901 Printed Name: B. Morrow Date: 3/12/03 Company:	2. RELINQUISHED BY: Signature: Time: Printed Name: Date: Company:
RECEIVED BY: <i>[Signature]</i> Signature: Time: 0840 Printed Name: B. Morrow Date: 3/12/03 Company:	1. RECEIVED BY: <i>[Signature]</i> Signature: Time: Printed Name: Date:	2. RECEIVED BY: Signature: Time: Printed Name: Date:

Chain of Custody 2003-03-0198-1

Date Shipped: 03/12/2003

From: STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756

To: Cerco Analytical - SUB CONTRACT ONLY 3942 Valley Avenue, Suite A Pleasanton, CA 94566

Project Manager: Tod Granicher Phone: (925) 484-1919 Fax: (925) 484-1096 Email: tgranicher@stl-inc.com

Phone: (925) 462-2771 Fax: (925) 462-2775 Contact: Darlene Langford Phone: (925) 462-2771

CL Submission #: 2003-03-0198

Project #: 180067.80

CL PO #:

Project Name: Tosco # 3135

Table with columns: Client Sample ID, Analysis, CL#, Sampled, Matrix, Method, Due. Includes handwritten notes like 'Redox Potential' and '03/25/2003 17:00'.

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS*** REDOX POTENTIAL ****

STD. TAT

CA 030 3085

Form with sections: RELINQUISHED BY, RECEIVED BY, containing signatures, names, and dates for three parties.