



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County

OCT 16 2002

September 27, 2002

G-R #180106

Environmental Health

TO: Mr. David B. De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

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

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

RE: **Former Tosco (Unocal)
Service Station #7004
15599 Hesperian Blvd.
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 9, 2002	Groundwater Monitoring and Sampling Report Third Quarter - Events of May 24, June 21, and July 29, 2002

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **October 10, 2002**, this report will be distributed to the following:

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

Enclosure



GETTLER-RYAN INC.

September 9, 2002
G-R Job #180106

Mr. David B. De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, CA 94583

RE: Third Quarter Event of May 24, 2002
Third Quarter Event of June 21, 2002
Third Quarter Event of July 29, 2002
Groundwater Monitoring & Sampling Report
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

Dear Mr. De Witt:

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

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are summarized in Table 3. Potentiometric Maps are included as Figures 1, 3 and 5.

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. Concentration Maps are included as Figures 2, 4 and 6. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, R.G. No. 6882

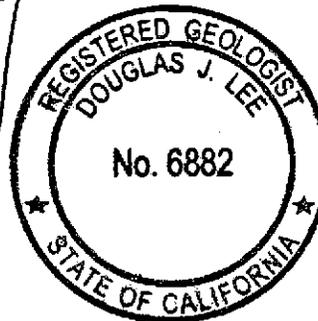
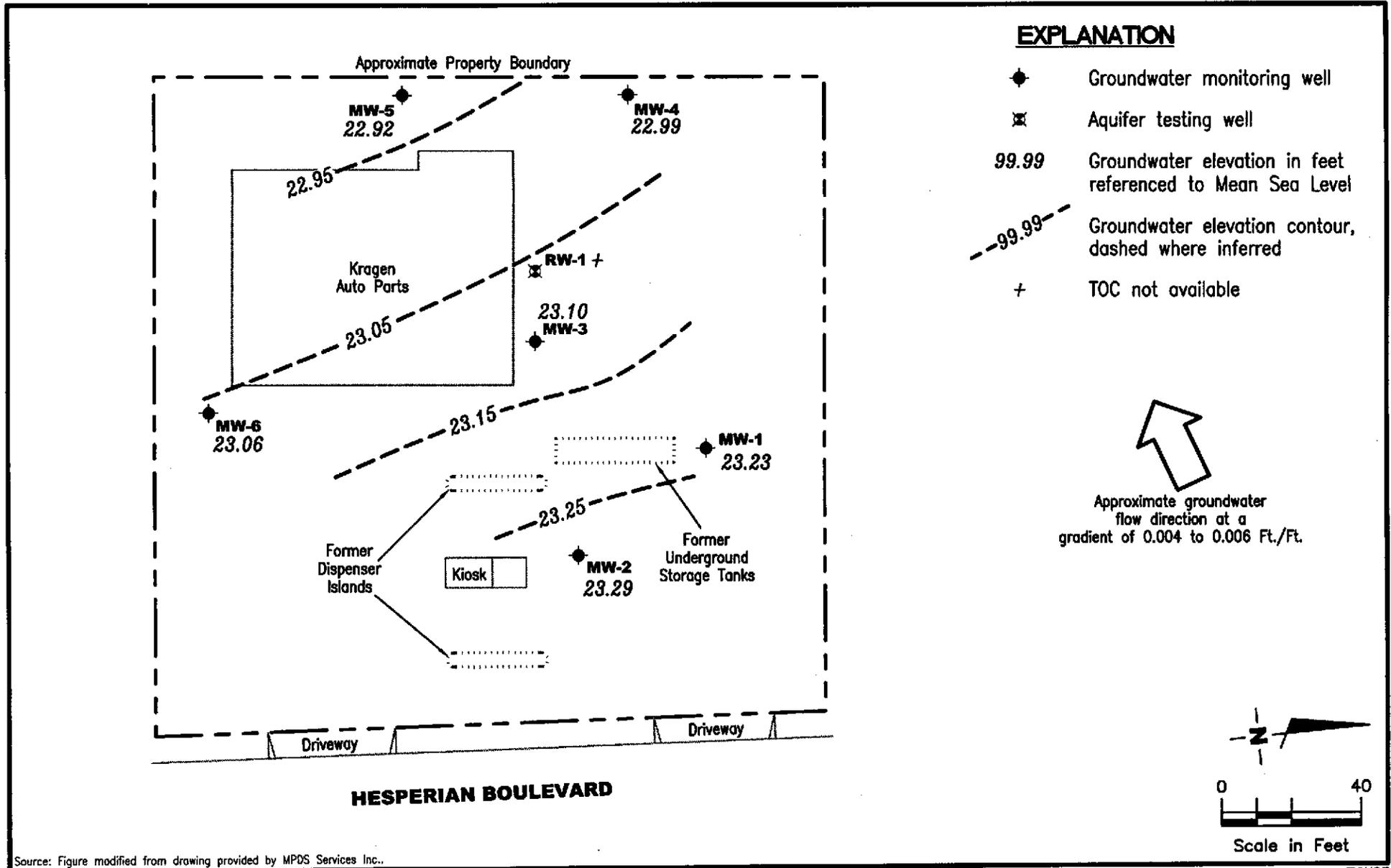


Figure 1: Potentiometric Map - May 24, 2002
Figure 2: Concentration Map - May 24, 2002
Figure 3: Potentiometric Map - June 21, 2002
Figure 4: Concentration Map - June 21, 2002
Figure 5: Potentiometric Map - July 29, 2002
Figure 6: Concentration Map - July 29, 2002
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenated Compounds
Table 3: Dissolved Oxygen Concentrations
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- ◆ Groundwater monitoring well
- ⊠ Aquifer testing well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- + TOC not available

Approximate groundwater flow direction at a gradient of 0.004 to 0.006 Ft./Ft.

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

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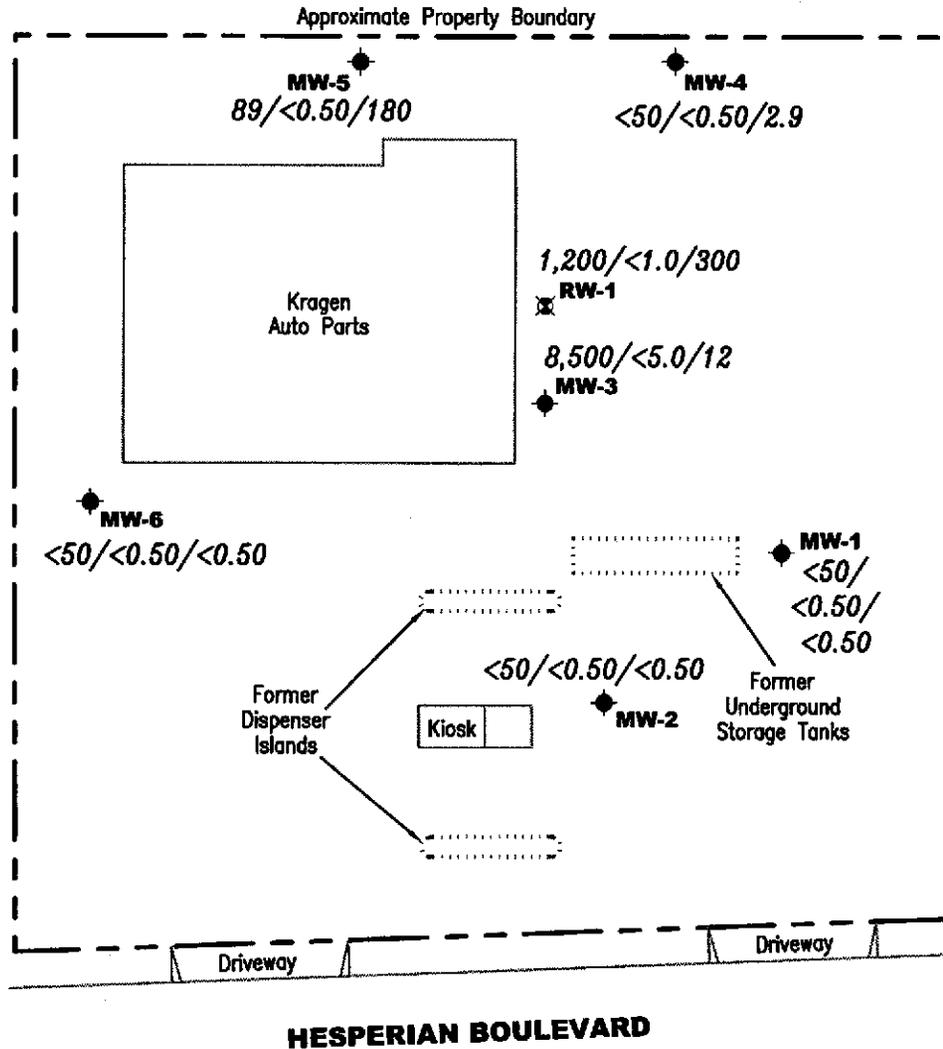
POTENTIOMETRIC MAP
 Former Tasco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

FIGURE
1

PROJECT NUMBER 180106	REVIEWED BY	DATE May 24, 2002	REVISED DATE
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EXPLANATION

- ◆ Groundwater monitoring well
- ⊗ Aquifer testing well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb
- Note: All analyses by EPA Method 8260



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

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CONCENTRATION MAP
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

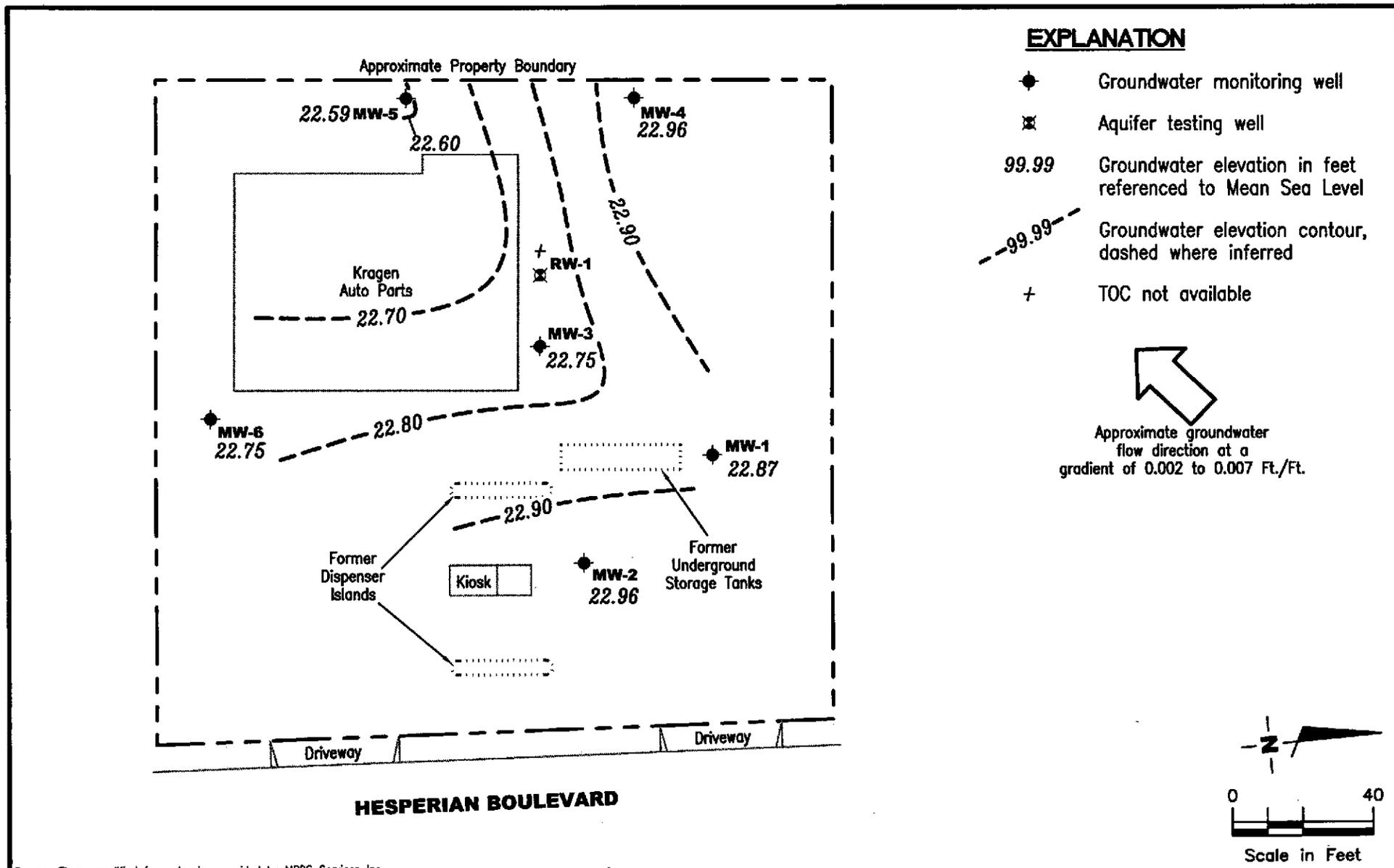
FIGURE
2

PROJECT NUMBER
 180106

REVIEWED BY

DATE
 May 24, 2002

REVISED DATE



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

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POTENTIOMETRIC MAP
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

FIGURE

3

PROJECT NUMBER
 180106

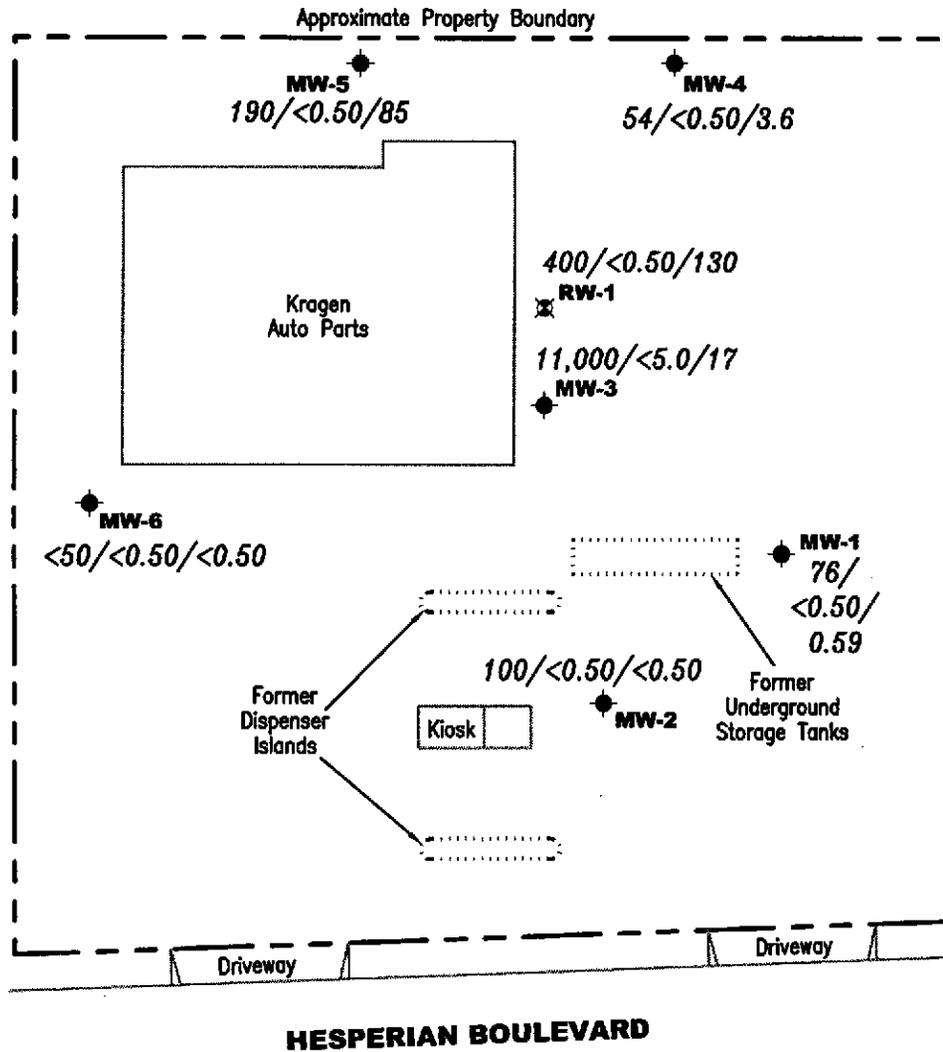
REVIEWED BY

DATE
 June 21, 2002

REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- ⊗ Aquifer testing well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb
- Note: All analyses by EPA Method 8260



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

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
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CONCENTRATION MAP
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

FIGURE

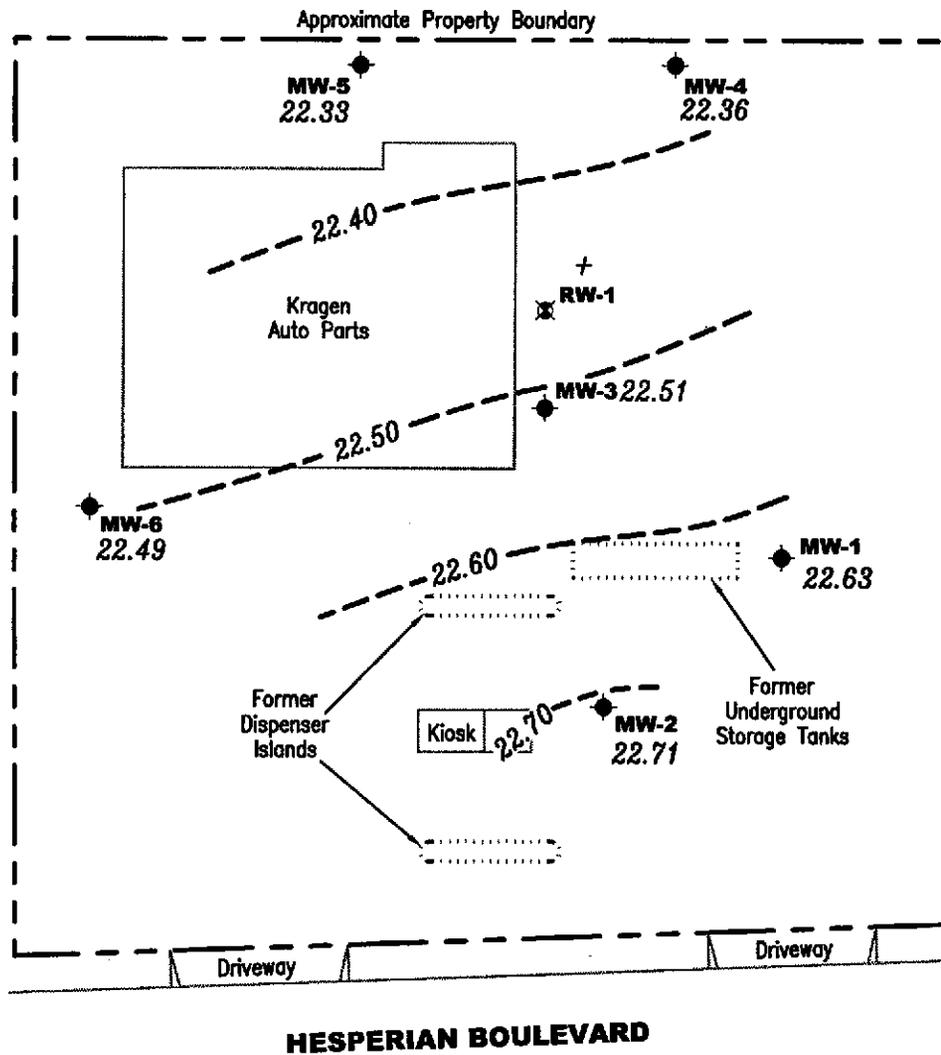
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PROJECT NUMBER
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REVIEWED BY

DATE
 June 21, 2002

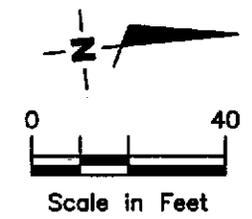
REVISED DATE



EXPLANATION

- ◆ Groundwater monitoring well
- ⊗ Aquifer testing well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- + TOC not available

↑
 Approximate groundwater flow direction at a gradient of 0.002 to 0.003 Ft./Ft.



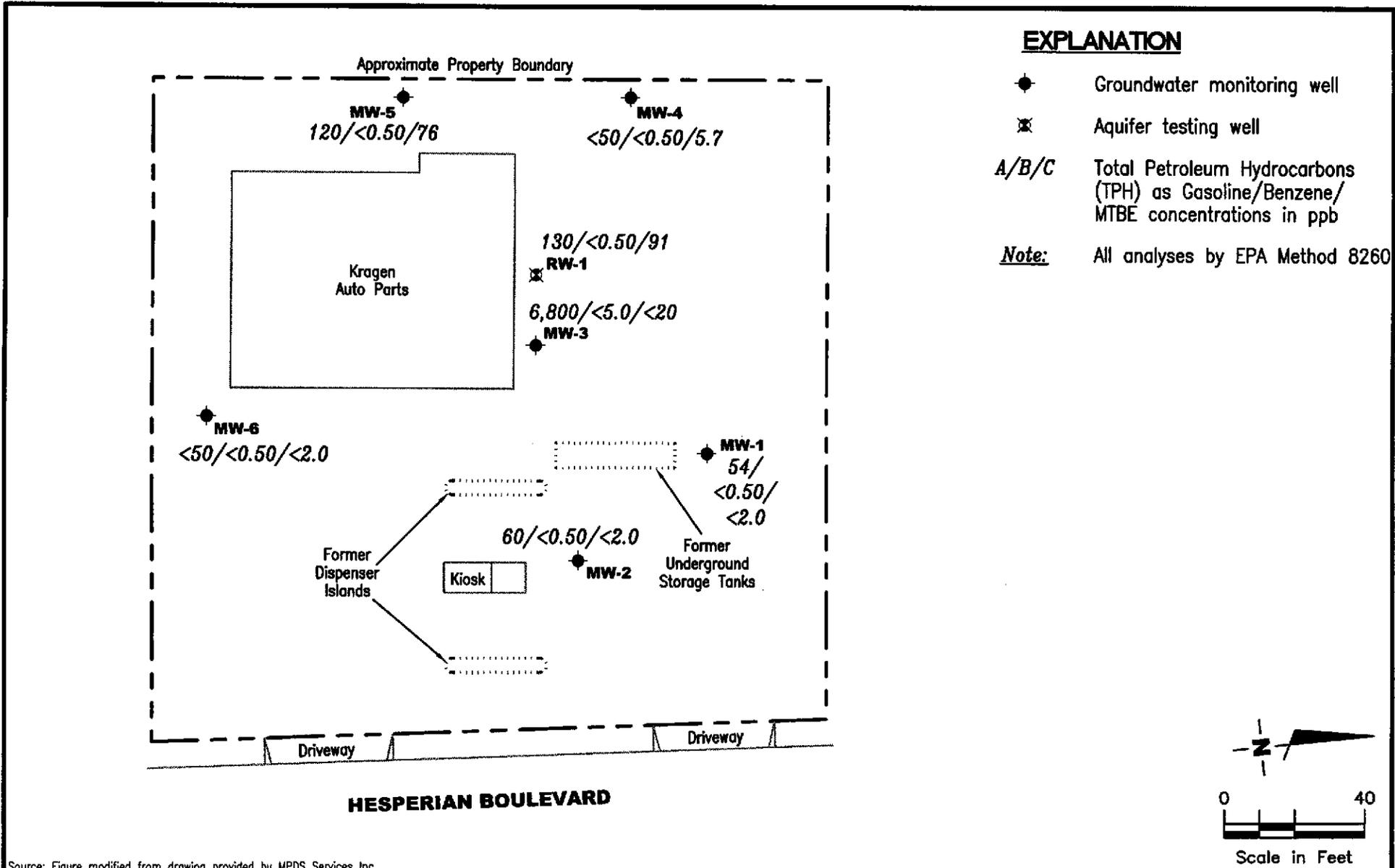
Source: Figure modified from drawing provided by MPDS Services Inc..

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POTENTIOMETRIC MAP
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

FIGURE
5

PROJECT NUMBER 180106	REVIEWED BY	DATE July 29, 2002	REVISED DATE
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Source: Figure modified from drawing provided by MPDS Services Inc..

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CONCENTRATION MAP
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

FIGURE

6

PROJECT NUMBER
 180106

REVIEWED BY

DATE
 July 29, 2002

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	05/04/91	--	10.0-25.0	--	ND	ND	ND	ND	ND	--
	07/23/91	--		--	ND	ND	ND	ND	ND	--
	10/14/91	--		--	ND	ND	ND	ND	ND	--
	01/14/92	--		--	ND	ND	ND	ND	ND	--
	04/14/92	--		--	76 ¹	ND	ND	ND	ND	--
	07/09/92	--		--	70 ¹	ND	ND	ND	ND	130
	10/28/92	--		--	SAMPLED SEMI-ANNUALLY		--	--	--	--
	01/21/93	--		--	ND	ND	ND	ND	ND	42
36.89	04/20/93	14.89		22.00	--	--	--	--	--	56
	07/22/93	14.34		22.55	ND	ND	ND	ND	ND	77
36.39	10/06/93	14.87		21.52	--	--	--	--	--	--
	01/11/94	15.14		21.25	ND	ND	ND	ND	ND	--
	04/06/94	14.19		22.20	--	--	--	--	--	--
	07/08/94	14.66		21.73	ND	ND	ND	ND	ND	--
	10/06/94	16.71		19.68	--	--	--	--	--	--
	01/05/95	14.68		21.71	ND	ND	ND	ND	ND	--
	04/05/95	11.76		24.63	--	--	--	--	--	--
	07/14/95	12.93		23.46	ND	0.65	2.2	ND	2.3	--
	10/12/95	14.29		22.10	--	--	--	--	--	--
	01/08/96	14.18		22.21	ND	ND	ND	ND	ND	--
	07/08/96	12.74		23.65	ND	ND	ND	ND	ND	ND
	01/03/97	12.89		23.50	87 ¹	ND	ND	ND	ND	ND
	07/02/97	13.66		22.73	ND	ND	ND	ND	ND	ND
	01/15/98	13.08		23.31	ND	ND	ND	ND	ND	ND
	07/08/98	11.25		25.14	ND	ND	ND	ND	ND	ND
	01/11/99	13.68		22.71	51 ⁹	ND	ND	ND	ND	4.8
	07/07/99	12.15		24.24	ND	ND	ND	ND	ND	ND
	01/04/00	13.95		22.44	ND	ND	ND	ND	ND	ND
	07/15/00	13.46		22.93	ND	ND	0.86	ND	ND	ND
	01/19/01	12.96		23.43	ND	ND	ND	ND	ND	ND
	07/31/01	14.36		22.03	ND	ND	ND	ND	ND	ND
	01/28/02	12.89		23.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SI (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	04/22/02	12.86	10.0-25.0	23.53	<50	<0.50	<0.50	<0.50	<0.50	<2.5
(cont)	05/24/02 ¹⁶	13.16		23.23	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/21/02 ¹⁶	13.52		22.87	76 ¹⁵	<0.50	<0.50	<0.50	<1.0	0.59
	07/29/02 ¹⁶	13.76		22.63	54 ¹⁵	<0.50	<0.50	<0.50	<1.0	<2.0
MW-2	05/04/91	--	10.0-25.0	--	ND	ND	ND	ND	ND	--
	07/23/91	--		--	ND	ND	ND	ND	ND	--
	10/14/91	--		--	ND	ND	ND	ND	ND	--
	01/14/92	--		--	ND	ND	ND	ND	ND	--
	04/14/92	--		--	45 ¹	ND	ND	ND	ND	--
	07/09/92	--		--	ND	ND	ND	ND	ND	49
	10/28/92	--		--	SAMPLED SEMI-ANNUALLY		--	--	--	--
	01/21/93	--		--	ND	ND	ND	ND	ND	17
37.35	04/20/93	15.20		22.15	--	--	--	--	--	80
	07/22/93	14.75		22.60	62 ¹	ND	ND	ND	ND	42
37.07	10/06/93	15.49		21.58	--	--	--	--	--	--
	01/11/94	15.77		21.30	120 ¹	ND	ND	ND	ND	--
	04/06/94	14.83		22.24	--	--	--	--	--	--
	07/08/94	15.28		21.79	140 ¹	ND	ND	ND	ND	--
	10/06/94	16.32		20.75	--	--	--	--	--	--
	01/05/95	15.30		21.77	310 ¹	ND	ND	ND	ND	--
	04/05/95	12.12		24.95	--	--	--	--	--	--
	07/14/95	13.55		23.52	86 ¹	ND	ND	ND	ND	--
	10/12/95	14.88		22.19	--	--	--	--	--	--
	01/08/96	14.81		22.26	91 ¹	ND	ND	ND	ND	--
	07/08/96	13.37		23.70	100 ¹	ND	ND	ND	ND	ND
	01/03/97	13.14		23.93	160 ¹	ND	ND	ND	ND	ND
	07/02/97	14.26		22.81	91 ¹	ND	ND	ND	ND	ND
	01/15/98	13.31		23.76	ND	ND	ND	ND	ND	ND
	07/08/98	11.57		25.50	ND	ND	ND	ND	ND	ND
	01/11/99	14.26		22.81	ND	ND	ND	ND	ND	9.8

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SL (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	07/07/99	12.24	10.0-25.0	24.83	ND	ND	ND	ND	ND	9.4
(cont)	01/04/00	14.14		22.93	ND	ND	0.518	ND	ND	9.07
	07/15/00	13.75		23.32	ND	ND	0.51	ND	ND	6.0
	01/19/01	13.37		23.70	ND	ND	ND	ND	ND	6.84
	07/31/01	14.96		22.11	ND	ND	ND	ND	ND	ND
	01/28/02	13.51		23.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/22/02	13.48		23.59	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	05/24/02 ¹⁶	13.78		23.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/21/02 ¹⁶	14.11		22.96	100 ¹⁵	<0.50	<0.50	<0.50	<1.0	<0.50
	07/29/02 ¹⁶	14.36		22.71	60 ¹⁵	<0.50	<0.50	<0.50	<1.0	<2.0
MW-3	05/04/91	--	10.0-25.0	--	34,000	6,100	32	1,200	6,100	--
	07/23/91	--		--	17,000	5,500	26	1,800	2,800	--
	10/14/91	--		--	25,000	6,300	78	2,000	1,400	--
	01/14/92	--		--	13,000	6,600	19	2,600	1,800	--
	04/14/92	--		--	16,000	3,400	19	1,400	1,300	--
	07/09/92	--		--	13,000	3,200	12	1,900	1,100	--
	10/28/92	--		--	15,000	4,400	15	2,400	800	--
	01/21/93	--		--	12,000	2,800	11	1,600	590	--
37.22	04/20/93	15.13		22.09	18,000	3,700	11	2,300	1,300	410
	07/22/93	13.52		23.70	16,000	4,500	17	3,600	1,900	440
36.79	10/06/93	15.41		21.38	24,000	4,100	ND	3,600	2,000	ND
	01/11/94	15.66		21.13	19,000	3,300	31	3,300	890	--
	04/06/94	14.72		22.07	24,000	3,100	ND	3,300	820	--
	07/08/94	15.20		21.59	18,000	2,200	25	2,500	860	--
	10/06/94	16.23		20.56	20,000	2,100	26	3,000	900	--
	01/05/95	15.12		21.67	20,000	2,100	ND	3,200	3,800	--
	04/05/95	12.03		24.76	18,000	2,100	ND	3,700	690	--
	07/14/95	13.46		23.33	21,000	1,600	ND	3,900	1,500	--
	10/12/95	14.81		21.98	17,000	1,000	ND	3,600	1,000	-- ³
	01/08/96	14.70		22.09	14,000	760	ND	3,100	380	-- ⁴

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	07/08/96	13.29	10.0-25.0	23.50	16,000	470	45	4,400	1,000	340
(cont)	01/03/97	13.09		23.70	14,000	160	ND	2,100	120	620
	07/02/97	13.96		22.83	23,000	110	ND	3,600	1,600	1,200
	01/15/98	13.26		23.53	12,000	33	ND ⁵	2,800	120	1,100
	07/08/98	11.64		25.15	20,000	76	ND ⁵	4,100	1,400	750
	01/11/99	14.17		22.62	23,000 ¹⁰	ND ⁵	ND ⁵	4,100	460	920
	07/07/99	13.18		23.61	15,000 ¹¹	35	ND ⁵	3,400	470	1,700
	01/04/00	14.27		22.52	15,500	ND ⁵	ND ⁵	3,330	191	827
	07/15/00	13.91		22.88	15,000 ¹²	ND ⁵	ND ⁵	3,400	420	3,300
	08/25/00	14.24		22.55	--	--	--	--	--	1,920 ¹³
	01/19/01	13.42		23.37	11,100 ¹⁴	38.4	ND ⁵	1,760	38.8	ND ⁵
	07/31/01	14.90		21.89	13,000 ¹⁴	ND ⁵	ND ⁵	1,600	63	ND ⁵
	01/28/02	13.41		23.38	82	<0.50	<0.50	10	<0.50	<2.5
	04/22/02	13.41		23.38	7,300	39	<25	970	<25	<120
	05/24/02 ¹⁶	13.69		23.10	8,500 ¹⁵	<5.0	<5.0	1,200	<10	12
	06/21/02 ¹⁶	14.04		22.75	11,000	<5.0	<5.0	690	<10	17
	07/29/02 ¹⁶	14.28		22.51	6,800	<5.0	<5.0	1,100	<10	<20
MW-4	07/23/91	--	10.0-26.0	--	ND	ND	ND	ND	ND	--
	10/14/91	--		--	ND	ND	ND	ND	ND	--
	01/14/92	--		--	ND	ND	ND	ND	ND	--
	04/14/92	--		--	ND	ND	ND	ND	ND	--
	07/09/92	--		--	ND	ND	ND	ND	ND	--
	10/28/92	--		--	SAMPLED SEMI-ANNUALLY		--	--	--	--
	01/21/93	--		--	ND	ND	ND	ND	ND	--
35.81	04/20/93	13.84		21.97	--	--	--	--	--	65
	07/22/93	13.52		22.29	ND	ND	ND	ND	ND	54
35.44	10/06/93	14.17		21.27	--	--	--	--	--	--
	01/11/94	14.42		21.02	ND	ND	ND	ND	ND	--
	04/06/94	13.44		22.00	--	--	--	--	--	--
	07/08/94	13.96		21.48	ND	ND	ND	ND	ND	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SL (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	10/06/94	15.00	10.0-26.0	20.44	--	--	--	--	--	--
(cont)	01/05/95	13.83		21.61	ND	ND	ND	ND	ND	--
	04/05/95	11.05		24.39	--	--	--	--	--	--
	07/14/95	12.23		23.21	ND	ND	ND	ND	ND	--
	10/12/95	13.59		21.85	--	--	--	--	--	--
	01/08/96	13.43		22.01	ND	ND	ND	ND	ND	-- ⁴
	07/08/96	12.04		23.40	ND	ND	ND	ND	ND	ND
	01/03/97	12.38		23.06	80 ¹	ND	ND	ND	ND	ND
	07/02/97	13.00		22.44	ND	ND	ND	ND	ND	25
	01/15/98	12.50		22.94	ND	ND	ND	ND	ND	ND
	07/08/98	10.53		24.91	ND	ND	ND	ND	ND	25
	01/11/99	12.95		22.49	ND	ND	ND	ND	ND	23
	07/07/99	11.76		23.68	ND	ND	ND	ND	ND	15
	01/04/00	13.17		22.27	ND	ND	ND	ND	ND	13.2
	07/15/00	13.04		22.40	ND	ND	ND	ND	ND	11
	01/19/01	12.65		22.79	ND	ND	ND	ND	ND	9.97
	07/31/01	13.69		21.75	ND	ND	ND	ND	ND	6.0
	01/28/02	12.17		23.27	<50	<0.50	<0.50	<0.50	<0.50	13
	04/22/02	12.18		23.26	<50	<0.50	<0.50	<0.50	<0.50	5.7
	05/24/02 ¹⁶	12.45		22.99	<50	<0.50	<0.50	<0.50	<1.0	2.9
	06/21/02 ¹⁶	12.48		22.96	54 ¹⁵	<0.50	<0.50	<0.50	<1.0	3.6
	07/29/02 ¹⁶	13.08		22.36	<50	<0.50	<0.50	<0.50	<1.0	5.7
MW-5	07/23/91	--	10.0-26.0	--	260	1.2	0.39	10	0.71	--
	10/14/91	--		--	140	0.72	ND	1.3	0.89	--
	01/14/92	--		--	60 ¹	ND	ND	ND	ND	--
	04/14/92	--		--	86 ¹	ND	ND	ND	ND	--
	07/09/92	--		--	ND	ND	ND	ND	ND	71

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	10/28/92	--	10.0-26.0	--	ND	ND	ND	ND	ND	45
(cont)	01/21/93	--		--	100 ¹	ND	ND	ND	ND	160
37.01	04/20/93	14.87		22.14	99 ¹	ND	ND	ND	ND	120
	07/22/93	14.82		22.19	59 ²	ND	ND	2.6	ND	42
36.81	10/06/93	15.61		21.20	150	1.1	ND	3.1	0.85	57
	01/11/94	15.84		20.97	160	ND	0.79	0.54	ND	--
	04/06/94	14.90		21.91	260	1.4	ND	0.88	ND	--
	07/08/94	15.38		21.43	200	ND	ND	ND	ND	--
	10/06/94	16.42		20.39	350	1.3	ND	ND	ND	--
	01/05/95	15.20		21.61	85	ND	ND	ND	ND	--
	04/05/95	11.72		25.09	ND	ND	ND	ND	ND	--
	07/14/95	13.69		23.12	180	1.3	ND	7.9	ND	--
	10/12/95	15.02		21.79	310	ND	ND	31	1.2	-- ³
	01/08/96	14.85		21.96	ND	0.55	ND	ND	0.58	-- ⁴
	07/08/96	13.52		23.29	140	2.1	1.4	5.6	0.51	110
◆	07/12/96	14.50		22.31	--	--	--	--	--	--
	01/03/97	12.85		23.96	12,000	150	ND	2,100	120	660
	07/02/97	13.79		23.02	ND	ND	ND	ND	ND	72
	01/15/98	13.03		23.78	69 ⁶	ND	ND	ND	ND	-- ⁷
	07/08/98	12.05		24.76	ND	0.74	ND	ND	ND	95
◆◆	01/11/99	14.41		22.40	ND	1.0	ND	ND	ND	170
	07/07/99	12.38		24.43	130	0.64	ND	ND	ND	330
	01/04/00	14.33		22.48	ND	ND	ND	ND	ND	183
	07/15/00	13.88		22.93	ND	0.68	ND	ND	ND	350
	01/19/01	13.41		23.40	ND	ND	ND	ND	ND	195
	07/31/01	15.12		21.69	ND	ND	ND	ND	ND	190
	01/28/02	13.59		23.22	<50	<0.50	<0.50	<0.50	<0.50	97
	04/22/02	13.61		23.20	<50	<0.50	<0.50	<0.50	<0.50	160
	05/24/02 ¹⁶	13.89		22.92	89	<0.50	<0.50	<0.50	<1.0	180
	06/21/02 ¹⁶	14.22		22.59	190 ¹⁵	<0.50	<0.50	<0.50	<1.0	85
	07/29/02 ¹⁶	14.48		22.33	120 ¹⁵	<0.50	<0.50	<0.50	<1.0	76

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	07/23/91	--	10.0-26.0	--	ND	ND	ND	ND	ND	--
	10/14/91	--		--	ND	ND	ND	ND	ND	--
	01/14/92	--		--	ND	ND	ND	ND	ND	--
	04/14/92	--		--	ND	ND	ND	ND	ND	--
	07/09/92	--		--	ND	ND	ND	ND	ND	--
	10/28/92	--		--	SAMPLED SEMI-ANNUALLY		--	--	--	--
	01/21/93	--		--	ND	ND	ND	ND	ND	--
37.55	04/20/93	15.27		22.28	--	--	--	--	--	ND
	07/22/93	15.20		22.35	ND	ND	ND	ND	ND	ND
37.13	10/06/93	15.75		21.38	--	--	--	--	--	--
	01/11/94	16.02		21.11	ND	ND	ND	ND	ND	--
	04/06/94	15.07		22.06	--	--	--	--	--	--
	07/08/94	15.55		21.58	ND	ND	ND	ND	ND	--
	10/06/94	16.58		20.55	--	--	--	--	--	--
	01/05/95	15.42		21.71	ND	ND	ND	ND	ND	--
	04/05/95	12.14		24.99	--	--	--	--	--	--
	07/14/95	13.87		23.26	ND	ND	ND	ND	ND	--
	10/12/95	15.17		21.96	--	--	--	--	--	--
	01/08/96	15.05		22.08	ND	ND	ND	ND	ND	--
	07/08/96	13.71		23.42	ND	ND	ND	ND	ND	ND
	01/03/97	13.12		24.01	97 ¹	ND	ND	ND	ND	ND
	07/02/97	14.57		22.56	ND	ND	ND	ND	ND	ND
	01/15/98	13.30		23.83	ND	ND	ND	ND	ND	ND
	07/08/98	12.33		24.80	ND	ND	ND	ND	ND	ND
	01/11/99	14.60		22.53	ND	ND	ND	ND	ND	ND
	07/07/99	13.23		23.90	ND	ND	ND	ND	ND	ND
	01/04/00	14.41		22.72	ND	ND	ND	ND	ND	ND
	07/15/00	14.05		23.08	ND	ND	ND	ND	ND	ND
	01/19/01	13.58		23.55	ND	ND	ND	ND	ND	ND
	07/31/01	15.24		21.89	ND	ND	ND	ND	ND	ND
	01/28/02	13.80		23.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(#)	DATE	DTW (ft.)	SL (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6 (cont)	04/22/02	13.22	10.0-26.0	23.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	05/24/02 ¹⁶	14.07		23.06	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/21/02 ¹⁶	14.38		22.75	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	07/29/02 ¹⁶	14.64		22.49	<50	<0.50	<0.50	<0.50	<1.0	<2.0
RW-1	07/08/98	11.72	12.5-27.5	--	80 ⁸	1.7	ND	ND	ND	1,300
	01/11/99	14.05		--	ND ⁵	3.0	ND ⁵	ND ⁵	ND ⁵	1,200
	07/07/99	13.05		--	ND	ND	ND	ND	ND	590
	01/04/00	14.26		--	ND	ND	ND	ND	ND	270
	07/15/00	13.77		--	ND	0.55	ND	ND	ND	460
	01/19/01	13.29		--	ND	ND	ND	ND	ND	338
	07/31/01	14.72		--	ND ⁵	ND ⁵	ND ⁵	ND ⁵	ND ⁵	1,900
	01/28/02	13.21		--	72 ¹⁵	0.98	<0.50	<0.50	<0.50	460
	04/22/02	13.22		--	<50	<0.50	<0.50	<0.50	<0.50	290
	05/24/02 ¹⁶	13.51		--	1,200 ¹⁵	<1.0	<1.0	30	<2.0	300
	06/21/02 ¹⁶	13.85		--	400	<0.50	<0.50	<0.50	<1.0	130
	07/29/02 ¹⁶	14.11		--	130	<0.50	<0.50	<0.50	<1.0	91
Trip Blank										
TB-LB	01/15/98	--	--	--	ND	ND	ND	ND	ND	ND
	07/08/98	--	--	--	ND	ND	ND	ND	ND	ND
	01/11/99	--	--	--	ND	ND	ND	ND	ND	ND
	07/07/99	--	--	--	ND	ND	ND	ND	ND	ND
	01/04/00	--	--	--	ND	ND	ND	ND	ND	ND
	07/15/00	--	--	--	ND	ND	ND	ND	ND	ND
	01/19/01	--	--	--	ND	ND	ND	ND	ND	ND
	07/31/01	--	--	--	ND	ND	ND	ND	ND	ND
	01/28/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/22/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	SI. (ft. bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA	05/24/02 ¹⁶	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	06/21/02 ¹⁶	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	07/29/02 ¹⁶	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to January 15, 1998, were compiled from reports prepared by MPDS Services, Inc.

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

* TOC elevations are relative to mean sea level (msl), based on the City of San Leandro Benchmark (Elevation = 36.04 feet msl). Prior to October 6, 1993, the DTW measurements were taken from the top of well covers.

- ◆ ORC installed.
- ◆◆ ORC removed from well.

- 1 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 2 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 3 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 4 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
- 5 Detection limit raised. Refer to analytical reports.
- 6 Laboratory report indicates unidentified hydrocarbons C6-C8.
- 7 Laboratory narrative: MTBE was not reported due to the presence of a chlorinated hydrocarbon pattern.
- 8 Laboratory report indicates discrete peaks and unidentified hydrocarbons <C7.
- 9 Laboratory report indicates discrete peaks.
- 10 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.
- 11 Laboratory report indicates gasoline and unidentified hydrocarbons <C6.
- 12 Laboratory report indicates gasoline C6-C12.
- 13 MTBE by EPA Method 8260.
- 14 Laboratory report indicates weathered gasoline C6-C12.
- 15 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 16 TPH-G, BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/24/02	--	--	<0.50	--	--	--	--	--
	06/21/02	--	--	0.59	--	--	--	--	--
	07/29/02	--	--	<2.0	--	--	--	--	--
MW-2	05/24/02	--	--	<0.50	--	--	--	--	--
	06/21/02	--	--	<0.50	--	--	--	--	--
	07/29/02	--	--	<2.0	--	--	--	--	--
MW-3	08/25/00	--	ND ¹	1,920	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	05/24/02	--	--	12	--	--	--	--	--
	06/21/02	--	--	17	--	--	--	--	--
	07/29/02	--	--	<20	--	--	--	--	--
MW-4	05/24/02	--	--	2.9	--	--	--	--	--
	06/21/02	--	--	3.6	--	--	--	--	--
	07/29/02	--	--	5.7	--	--	--	--	--
MW-5	05/24/02	--	--	180	--	--	--	--	--
	06/21/02	--	--	85	--	--	--	--	--
	07/29/02	--	--	76	--	--	--	--	--
MW-6	05/24/02	--	--	<0.50	--	--	--	--	--
	06/21/02	--	--	<0.50	--	--	--	--	--
	07/29/02	--	--	<2.0	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
RW-1	05/24/02	<50	<10	300	<2.0	<1.0	<1.0	<0.5	<0.5
	06/21/02	--	--	130	--	--	--	--	--
	07/29/02	--	--	91	--	--	--	--	--
QA	05/24/02	--	--	<0.50	--	--	--	--	--
	06/21/02	--	--	<0.50	--	--	--	--	--
	07/29/02	--	--	<2.0	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Tosco (Unocal) Service Station #7004
15599 Hesperian Boulevard
San Leandro, California

EXPLANATIONS:

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

¹ Dectection limit raised. Refer to analytical reports.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Dissolved Oxygen Concentrations
 Former Tosco (Unocal) Service Station #7004
 15599 Hesperian Boulevard
 San Leandro, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-5	07/02/97	3.82	3.97
	01/03/97	4.35	4.27
	07/12/96	3.44	3.67
	01/15/98	4.19	4.38
	07/08/98	4.67	4.60

EXPLANATIONS:

Dissolved oxygen concentrations prior to January 15, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = milligrams per liter

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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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 polyvinyl chloride 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. 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.

***TOSCO (UNOCAL) SERVICE STATION#7004
SAN LEANDRO, CA***

***MONITORING AND SAMPLING
EVENT OF May 24, 2002***

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/
Facility # Tosco # 7004 Job#: 180106
Address: 15599 Inspiration Blvd. Date: 5.24.02
City: San Leandro Sampler: BL

Well ID mw-1 Well Condition: OK
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed 0 (Gallons)
Total Depth 23.87 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
Depth to Water 13.16 ft. 6" = 1.50 12" = 5.80

10.71 x VF .17 = 2 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1000 Weather Conditions: Sunny
Sampling Time: 1015 Water Color: Brown Odor: NO
Purging Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1003</u>	<u>2</u>	<u>6.97</u>	<u>1107</u>	<u>70.9</u>			
<u>1007</u>	<u>4</u>	<u>6.65</u>	<u>1008</u>	<u>69.7</u>			
<u>1010</u>	<u>6</u>	<u>6.25</u>	<u>968</u>	<u>70.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-1</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPH(G)/btex/mtbe by 8860</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/
Facility# Tosco # 7004
Address: 15599 Hesperian Blvd.
City: San Leandro

Job#: 180106
Date: 5-24-02
Sampler: B6

Well ID MW-2
Well Diameter 2 in.
Total Depth 24.06 ft.
Depth to Water 13.78 ft.

Well Condition: OK
Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons) 0
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

16.28 x VF .17 = 2 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1030
Sampling Time: 1035
Purging Flow Rate: _____ gpm.
Did well de-water? NO

Weather Conditions: Sunny
Water Color: Brown Odor: NO
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1023</u>	<u>2</u>	<u>6.65</u>	<u>992</u>	<u>70.1</u>	_____	_____	_____
<u>1025</u>	<u>4</u>	<u>6.09</u>	<u>1021</u>	<u>72.1</u>	_____	_____	_____
<u>1032</u>	<u>6</u>	<u>6.17</u>	<u>1034</u>	<u>72.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPH(GI)/bTEX/mtbe by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/
Facility # Tosco # 7004 Job#: 180106
Address: 15599 Hesperian Blvd Date: 5-24-02
City: San Leandro Sampler: B6

Well ID MW-3 Well Condition: OK
Well Diameter 2 in.
Total Depth 24.38 ft.
Depth to Water 13.69 ft.

Hydrocarbon Thickness: _____ (feet)	Amount Bailed (product/water): _____ (Gallons)			
	2" = 0.17	3" = 0.38	4" = 0.66	
Volume Factor (VF)	6" = 1.50	12" = 5.80		

10.69 x VF .17 = 2 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1115 Weather Conditions: Sunny
Sampling Time: 1131 Water Color: Brown Odor: yes
Purging Flow Rate: _____ gpm.
Sediment Description: _____
Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1121</u>	<u>2</u>	<u>6.33</u>	<u>1077</u>	<u>69.1</u>			
<u>1124</u>	<u>4</u>	<u>6.01</u>	<u>1052</u>	<u>70.1</u>			
<u>1127</u>	<u>6</u>	<u>5.96</u>	<u>1097</u>	<u>70.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPHIG/btex/mtbe by 8860</u>

COMMENTS: New lock + cap.

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/
Facility # Tosco # 7004
Address: 15599 Hesperian Blvd.
City: San Leandro

Job#: 180106
Date: 5.24.02
Sampler: B6

Well ID: mw-4
Well Diameter: 2 in.
Total Depth: 25.34 ft.
Depth to Water: 12.45 ft.

Well Condition: OK

Hydrocarbon Thickness:	<u>0</u> (feet)	Amount Bailed (product/water):	<u>0</u> (Gallons)
Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

12.45 x VF .17 = 2 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1058
Sampling Time: 1112
Purging Flow Rate: _____ gpm.
Did well de-water? NO

Weather Conditions: Sunny
Water Color: Brownish Odor: NO
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1101</u>	<u>2</u>	<u>7.03</u>	<u>1022</u>	<u>70.8</u>	_____	_____	_____
<u>1104</u>	<u>4</u>	<u>6.58</u>	<u>989</u>	<u>69.1</u>	_____	_____	_____
<u>1107</u>	<u>6</u>	<u>6.48</u>	<u>988</u>	<u>68.7</u>	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-4</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPHIG/btex/mtbe by 8860</u>

COMMENTS: New cap + lock

WELL MONITORING/SAMPLING FIELD DATA SHEET.

Client/
 Facility # Tosco # 7004 Job#: 180106
 Address: 15599 Hesperian Blvd. Date: 5-24-02
 City: San Leandro Sampler: BB

Well ID MW-5 Well Condition: OK
 Well Diameter 2 in.
 Total Depth 2580 ft.
 Depth to Water 1389 ft.

Hydrocarbon Thickness:	(feet)	Amount Bailed (product/water):	(Gallons)
Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

1191 x VF .17 = 2 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
~~Bailer~~
 Stack
 Suction
 Grundfos
 Other: _____

Sampling Equipment: Disposable Bailer
~~Bailer~~
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1136
 Sampling Time: 1146
 Purging Flow Rate: _____ gpm.
 Did well de-water? NO

Weather Conditions: Sunny
 Water Color: Brown Odor: NO
 Sediment Description: _____
 If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1138</u>	<u>2</u>	<u>6.88</u>	<u>1011</u>	<u>70.3</u>			
<u>1141</u>	<u>4</u>	<u>6.59</u>	<u>1008</u>	<u>68.7</u>			
<u>1143</u>	<u>6</u>	<u>6.48</u>	<u>1008</u>	<u>68.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPH(G)/btex/mtbe by 8960</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET.**

Client/
Facility # Tosco # 7004
Address: 15599 Hesperian Blvd.
City: San Leandro

Job#: 180106
Date: 5-24-05
Sampler: BB

Well ID: mw-6
Well Diameter: 2 in.
Total Depth: 25.31 ft.
Depth to Water: 14.07 ft.

Well Condition: OK
Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

11.24 X VF .17 = 2 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer
~~Bailer~~
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
~~Bailer~~
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1040
Sampling Time: 1052
Purging Flow Rate: _____ gpm.
Did well de-water? NO

Weather Conditions: Sunny
Water Color: Cloudy Odor: NO
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1042</u>	<u>2</u>	<u>7.06</u>	<u>1122</u>	<u>72.7</u>			
<u>1046</u>	<u>4</u>	<u>6.62</u>	<u>1110</u>	<u>71.4</u>			
<u>1049</u>	<u>6</u>	<u>6.51</u>	<u>1124</u>	<u>71.4</u>			
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-6</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPH(G)/btex/mtbe by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New lock + cap.

WELL MONITORING/SAMPLING FIELD DATA SHEET.

Client/Facility # Tosco # 7004 Job #: 180106
 Address: 15599 Hesperion Blvd. Date: 5-24-02
 City: San Leandro Sampler: PK

Well ID: RW-1 Well Condition: OK
 Well Diameter: 6 in.
 Total Depth: 26.41 ft.
 Depth to Water: 13.51 ft.

Hydrocarbon Thickness: (feet)	Amount Bailed (product/water): (Gallons)			
	2" = 0.17	3" = 0.38	4" = 0.66	
6" = 1.50				
12" = 5.80				

12.9 x VF 1.5 = 19 x 3 (case volume) = Estimated Purge Volume: 57 (gal.)

Purge Equipment: Stack Suction Grundfos
 Disposable Bailer Bailer Other: _____
 Sampling Equipment: Disposable Bailer
 Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 1209 Weather Conditions: Sunny
 Sampling Time: 1235 Water Color: Clear Odor: NO
 Purging Flow Rate: 3 gpm. Sediment Description: _____
 Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1216</u>	<u>19</u>	<u>7.23</u>	<u>1043</u>	<u>73.3</u>			
<u>1223</u>	<u>38</u>	<u>6.55</u>	<u>1015</u>	<u>77.5</u>			
<u>1230</u>	<u>54</u>	<u>6.41</u>	<u>1011</u>	<u>77.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>RW-1</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>STL</u>	<u>TPH(G)/btex/mtbe by 8960</u>

COMMENTS: _____

2002-05-0425

Gettler-Ryan Inc., Chain-of-Custody

66541

P.2

9256003002

STUNSITE

FILE NAME: P:\Environ\ChainOfCustody\SLD-cooc.dwg | Layout: Tab: Model

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

Facility Number #7004
Facility Address 15599 Hesperian Blvd., San Leandro, CA
Global ID T0600101451 Project 180106.80
Client Contact Dave DeWitt
Phone 925-277-2384

Laboratory Name STL
Consultant Gettler-Ryan Inc.
Address 6747 Sierra Ct., Suite J, Dublin, CA 94568
Phone 925-551-7555 Fax 925-551-7899
Samples Collected by BRIAN GAN

SAMPLE ID	Number of Containers Matrix	S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HMOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
QA	1	W	HCL	5:24-02														Run 8 Oxy's by 8260 on highest MTBE hit. OXR
MW-1	3			1015					X									
MW-2	3			1035					X									
MW-3	3			1131					X									
MW-4	3			1112					X									
MW-5	3			1146					X									
MW-6	3			1052					X									
RW-1	3	W		1035					X									

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

Relinquished By (Signature) <i>Brian Gan</i>	Organization 6-R	Date/Time 5/24/02	Received By (Signature) <i>JJ</i>	Organization STL	Date/Time 5/24/02	Iced Y/N Y	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted 6.0°C
Relinquished By (Signature) <i>Brian Gan</i>	Organization 6-R	Date/Time 5/24/02	Received By (Signature) <i>JJ</i>	Organization STL	Date/Time 5/24/02	Iced Y/N Y	
Relinquished By (Signature) <i>JJ</i>	Organization STL	Date/Time 5/24/02	Received For Laboratory By (Signature) <i>Denise Harrington</i>	Date/Time 5/24/02	Iced Y/N N		



Gettler Ryan

6747 Sierra Court Suite J
Dublin, CA 94568

Attn: Ms. Deanna Harding

Project: 180106.80
Tosco # 7004

Site: 15599 Hesperian Blvd San Leandro, Ca

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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

Dear Ms. Harding,

Attached is our report for your samples received on Friday May 24, 2002
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
July 8, 2002 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.

Sincerely,

SystemDefaultValues
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B



Gettler Ryan Attn: Deanna Harding 180106.80 Site 15599 Hesperian Blvd San Leandro, Ca	☐ 6747 Sierra Court Suite J Dublin, CA 94568 Phone: (925) 551-7444 Fax: (925) 551-7888 Project: Tosco # 7004
-------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------

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 1220 Quarry Lane
 Pleasanton, CA 94566
 Tel 925 484 1919
 Fax 925 484 1096
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 CA DHS ELAP#2496

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
QA	Water	05/24/2002	1
MW-1	Water	05/24/2002 10:15	2
MW-2	Water	05/24/2002 10:35	3
MW-3	Water	05/24/2002 11:31	4
MW-4	Water	05/24/2002 11:12	5
MW-5	Water	05/24/2002 11:46	6
MW-6	Water	05/24/2002 10:52	7
RW-1	Water	05/24/2002 12:35	8

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: QA	Lab Sample ID: 2002-05-0425-001
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 13:28
Sampled: 05/24/2002	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/04/2002 13:28	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 13:28	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 13:28	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 13:28	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 13:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/04/2002 13:28	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-114	%	1.00	06/04/2002 13:28	
Toluene-d8	100.8	88-110	%	1.00	06/04/2002 13:28	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Test Method: 8260FAB

Attn: Deanna Harding

Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: MW-1	Lab Sample ID: 2002-05-0425-002
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 15:15
Sampled: 05/24/2002 10:15	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/04/2002 15:15	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 15:15	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 15:15	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 15:15	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 15:15	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/04/2002 15:15	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	76-114	%	1.00	06/04/2002 15:15	
Toluene-d8	96.9	88-110	%	1.00	06/04/2002 15:15	

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: MW-2	Lab Sample ID: 2002-05-0425-003
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 17:14
Sampled: 05/24/2002 10:35	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/04/2002 17:14	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 17:14	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 17:14	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 17:14	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 17:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/04/2002 17:14	
Surrogate(s)						
1,2-Dichloroethane-d4	103.8	76-114	%	1.00	06/04/2002 17:14	
Toluene-d8	97.8	88-110	%	1.00	06/04/2002 17:14	

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: MW-3	Lab Sample ID: 2002-05-0425-004
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/05/2002 14:34
Sampled: 05/24/2002 11:31	QC-Batch: 2002/06/05-01.27
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	8500	500	ug/L	10.00	06/05/2002 14:34	g
Benzene	ND	5.0	ug/L	10.00	06/05/2002 14:34	
Toluene	ND	5.0	ug/L	10.00	06/05/2002 14:34	
Ethylbenzene	1200	5.0	ug/L	10.00	06/05/2002 14:34	
Total xylenes	ND	10	ug/L	10.00	06/05/2002 14:34	
Methyl tert-butyl ether (MTBE)	12	5.0	ug/L	10.00	06/05/2002 14:34	
Surrogate(s)						
1,2-Dichloroethane-d4	93.2	76-114	%	10.00	06/05/2002 14:34	
Toluene-d8	103.0	88-110	%	10.00	06/05/2002 14:34	

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: MW-4	Lab Sample ID: 2002-05-0425-005
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 17:59
Sampled: 05/24/2002 11:12	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/04/2002 17:59	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 17:59	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 17:59	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 17:59	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 17:59	
Methyl tert-butyl ether (MTBE)	2.9	0.50	ug/L	1.00	06/04/2002 17:59	
Surrogate(s)						
1,2-Dichloroethane-d4	103.8	76-114	%	1.00	06/04/2002 17:59	
Toluene-d8	99.3	88-110	%	1.00	06/04/2002 17:59	

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: MW-5	Lab Sample ID: 2002-05-0425-006
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 18:21
Sampled: 05/24/2002 11:46	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	89	50	ug/L	1.00	06/04/2002 18:21	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 18:21	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 18:21	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 18:21	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 18:21	
Methyl tert-butyl ether (MTBE)	180	0.50	ug/L	1.00	06/04/2002 18:21	
Surrogate(s)						
1,2-Dichloroethane-d4	101.4	76-114	%	1.00	06/04/2002 18:21	
Toluene-d8	97.7	88-110	%	1.00	06/04/2002 18:21	



Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP#2496

Sample ID: MW-6	Lab Sample ID: 2002-05-0425-007
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/04/2002 19:28
Sampled: 05/24/2002 10:52	QC-Batch: 2002/06/04-01.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/04/2002 19:28	
Benzene	ND	0.50	ug/L	1.00	06/04/2002 19:28	
Toluene	ND	0.50	ug/L	1.00	06/04/2002 19:28	
Ethylbenzene	ND	0.50	ug/L	1.00	06/04/2002 19:28	
Total xylenes	ND	1.0	ug/L	1.00	06/04/2002 19:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	06/04/2002 19:28	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	76-114	%	1.00	06/04/2002 19:28	
Toluene-d8	101.4	88-110	%	1.00	06/04/2002 19:28	

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan
Attn: Deanna Harding

Test Method: 8260FAB
Prep Method: 5030B

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CA DHS ELAP#2496

Sample ID: RW-1	Lab Sample ID: 2002-05-0425-008
Project: 180106.80 Tosco # 7004	Received: 05/24/2002 17:30
Site: 15599 Hesperian Blvd San Leandro, Ca	Extracted: 06/05/2002 15:04
Sampled: 05/24/2002 12:35	QC-Batch: 2002/06/05-01.27
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1200	100	ug/L	2.00	06/05/2002 15:04	g
Benzene	ND	1.0	ug/L	2.00	06/05/2002 15:04	
Toluene	ND	1.0	ug/L	2.00	06/05/2002 15:04	
Ethylbenzene	30	1.0	ug/L	2.00	06/05/2002 15:04	
Total xylenes	ND	2.0	ug/L	2.00	06/05/2002 15:04	
tert-Butyl alcohol (TBA)	ND	10	ug/L	2.00	06/05/2002 15:04	
Methyl tert-butyl ether (MTBE)	300	1.0	ug/L	2.00	06/05/2002 15:04	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	2.00	06/05/2002 15:04	
Ethyl tert-butyl ether (ETBE)	ND	1.0	ug/L	2.00	06/05/2002 15:04	
tert-Amyl methyl ether (TAME)	ND	1.0	ug/L	2.00	06/05/2002 15:04	
1,2-DCA	ND	0.5	ug/L	2.00	06/05/2002 15:04	
EDB	ND	0.5	ug/L	2.00	06/05/2002 15:04	
Ethanol	ND	50	ug/L	2.00	06/05/2002 15:04	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	76-114	%	2.00	06/05/2002 15:04	
Toluene-d8	97.6	88-110	%	2.00	06/05/2002 15:04	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/06/04-01.27

MB: 2002/06/04-01.27-005

Date Extracted: 06/04/2002 12:00

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/04/2002 12:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/04/2002 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/04/2002 12:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/04/2002 12:00	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/04/2002 12:00	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/04/2002 12:00	
1,2-DCA	ND	0.5	ug/L	06/04/2002 12:00	
EDB	ND	0.5	ug/L	06/04/2002 12:00	
Benzene	ND	0.5	ug/L	06/04/2002 12:00	
Toluene	ND	0.5	ug/L	06/04/2002 12:00	
Ethylbenzene	ND	0.5	ug/L	06/04/2002 12:00	
Total xylenes	ND	1.0	ug/L	06/04/2002 12:00	
Ethanol	ND	25	ug/L	06/04/2002 12:00	
Surrogate(s)					
1,2-Dichloroethane-d4	102.5	76-114	%	06/04/2002 12:00	
Toluene-d8	102.4	88-110	%	06/04/2002 12:00	

Gas/BTEX Fuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/06/04-01.27
MB: 2002/06/04-01.27-006		Date Extracted: 06/04/2002 12:00

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	06/04/2002 12:00	
Benzene	ND	1.0	ug/L	06/04/2002 12:00	
1,2-Dibromoethane	ND	1.0	ug/L	06/04/2002 12:00	
1,2-Dichloroethane	ND	1.0	ug/L	06/04/2002 12:00	
Ethylbenzene	ND	1.0	ug/L	06/04/2002 12:00	
Toluene	ND	1.0	ug/L	06/04/2002 12:00	
Total xylenes	ND	1.0	ug/L	06/04/2002 12:00	
Surrogate(s)					
1,2-Dichloroethane-d4	102.6	76-114	%	06/04/2002 12:00	
Toluene-d8	102.4	88-110	%	06/04/2002 12:00	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260FAB

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/06/04-01.27

MB: 2002/06/04-01.27-022

Date Extracted: 06/04/2002 12:00

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/04/2002 12:00	
Benzene	ND	0.5	ug/L	06/04/2002 12:00	
Toluene	ND	0.5	ug/L	06/04/2002 12:00	
Ethylbenzene	ND	0.5	ug/L	06/04/2002 12:00	
Total xylenes	ND	1.0	ug/L	06/04/2002 12:00	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/04/2002 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/04/2002 12:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/04/2002 12:00	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/04/2002 12:00	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/04/2002 12:00	
1,2-DCA	ND	0.5	ug/L	06/04/2002 12:00	
EDB	ND	0.5	ug/L	06/04/2002 12:00	
Ethanol	ND	25	ug/L	06/04/2002 12:00	
Surrogate(s)					
1,2-Dichloroethane-d4	102.6	76-114	%	06/04/2002 12:00	
Toluene-d8	102.4	88-110	%	06/04/2002 12:00	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566**Method Blank**

Water

QC Batch # 2002/06/04-01.27

MB: 2002/06/04-01.27-023

Date Extracted: 06/04/2002 12:00

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/04/2002 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/04/2002 12:00	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/04/2002 12:00	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/04/2002 12:00	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/04/2002 12:00	
Surrogate(s)					
1,2-Dichloroethane-d4	102.6	76-114	%	06/04/2002 12:00	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/06/05-01.27

MB: 2002/06/05-01.27-005

Date Extracted: 06/05/2002 11:31

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/05/2002 11:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/05/2002 11:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/05/2002 11:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/05/2002 11:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/05/2002 11:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/05/2002 11:31	
1,2-DCA	ND	0.5	ug/L	06/05/2002 11:31	
EDB	ND	0.5	ug/L	06/05/2002 11:31	
Benzene	ND	0.5	ug/L	06/05/2002 11:31	
Toluene	ND	0.5	ug/L	06/05/2002 11:31	
Ethylbenzene	ND	0.5	ug/L	06/05/2002 11:31	
Total xylenes	ND	1.0	ug/L	06/05/2002 11:31	
Ethanol	ND	25	ug/L	06/05/2002 11:31	
Surrogate(s)					
1,2-Dichloroethane-d4	103.5	76-114	%	06/05/2002 11:31	
Toluene-d8	101.7	88-110	%	06/05/2002 11:31	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/06/05-01.27
MB: 2002/06/05-01.27-011		Date Extracted: 06/05/2002 11:31

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/05/2002 11:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/05/2002 11:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/05/2002 11:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/05/2002 11:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/05/2002 11:31	
Surrogate(s)					
1,2-Dichloroethane-d4	103.4	76-114	%	06/05/2002 11:31	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260FAB

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/06/05-01.27
MB: 2002/06/05-01.27-012		Date Extracted: 06/05/2002 11:31

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/05/2002 11:31	
Benzene	ND	0.5	ug/L	06/05/2002 11:31	
Toluene	ND	0.5	ug/L	06/05/2002 11:31	
Ethylbenzene	ND	0.5	ug/L	06/05/2002 11:31	
Total xylenes	ND	1.0	ug/L	06/05/2002 11:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/05/2002 11:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/05/2002 11:31	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	06/05/2002 11:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	06/05/2002 11:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	06/05/2002 11:31	
1,2-DCA	ND	0.5	ug/L	06/05/2002 11:31	
EDB	ND	0.5	ug/L	06/05/2002 11:31	
Ethanol	ND	25	ug/L	06/05/2002 11:31	
<i>Surrogate(s)</i>					
1,2-Dichloroethane-d4	103.4	76-114	%	06/05/2002 11:31	
Toluene-d8	101.8	88-110	%	06/05/2002 11:31	

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/06/04-01.27
 LCS: 2002/06/04-01.27-003 Extracted: 06/04/2002 11:10 Analyzed: 06/04/2002 11:10
 LCSD: 2002/06/04-01.27-004 Extracted: 06/04/2002 11:38 Analyzed: 06/04/2002 11:38

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CA DHS ELAP#2496

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Methyl tert-butyl ether	17.4	16.8	25.0	25.0	69.6	67.2	3.5	65-165	20		
Benzene	20.7	20.9	25.0	25.0	82.8	83.6	1.0	69-129	20		
Toluene	23.6	23.2	25.0	25.0	94.4	92.8	1.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	517	507	500	500	103.4	101.4		76-114			
Toluene-d8	510	508	500	500	102.0	101.6		88-110			

Gas/BTEXFuel Oxygenates by 8260B

Legend & Notes

Test Method: 8260FAB

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample. CA DHS ELAP#2496

Analyte Flags

g

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

Gas/BTEXFuel Oxygenates by 8260B

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/06/05-01.27
 LCS: 2002/06/05-01.27-006 Extracted: 06/05/2002 11:53 Analyzed: 06/05/2002 11:53
 LCSD: 2002/06/05-01.27-007 Extracted: 06/05/2002 12:20 Analyzed: 06/05/2002 12:20

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CA DHS ELAP#2496

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Methyl tert-butyl ether	21.2	20.0	25.0	25.0	84.8	80.0	5.8	65-165	20		
Benzene	25.0	25.1	25.0	25.0	100.0	100.4	0.4	69-129	20		
Toluene	25.4	25.3	25.0	25.0	101.6	101.2	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	522	530	500	500	104.4	106.0		76-114			
Toluene-d8	501	512	500	500	100.2	102.4		88-110			

***TOSCO (UNOCAL) SERVICE STATION#7004
SAN LEANDRO, CA***

***MONITORING AND SAMPLING
EVENT OF June 21, 2002***



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 6/2/02
 City: San Leandro Sampler: G. R. Suter

Well ID: MW-1 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 23.87 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 13.52 ft.

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

10.35 xVF 0.17 = 1.75 x3 (case volume) = Estimated Purge Volume: 5.25 gal.

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

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

Start Time (purge): 0745 Weather Conditions: Drizzle
 Sample Time/Date: 0825 / 6/2/02 Water Color: Clear Odor: NO
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 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>0755</u>	<u>1.5</u>	<u>6.67</u>	<u>721</u>	<u>19.8</u>		
<u>0807</u>	<u>3</u>	<u>6.59</u>	<u>719</u>	<u>19.8</u>		
<u>0810</u>	<u>5.5</u>	<u>6.58</u>	<u>716</u>	<u>19.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>5 x vovial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G,BTEX,MTBE by 8260</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 6/21/02
 City: San Leandro Sampler: G.R.

Well ID: MW-2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 24.06 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.11 ft.

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

9.95 xVF 0.17 = 1.69 x3 (case volume) = Estimated Purge Volume: 5 gal.

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

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

Start Time (purge): 0830 Weather Conditions: Drizzle
 Sample Time/Date: 0910 1 6/21/02 Water Color: Clear Odor: No
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (G/F)	D.O. (mg/L)	ORP (mV)
<u>0840</u>	<u>1.5</u>	<u>6.71</u>	<u>724</u>	_____	_____	_____
<u>0848</u>	<u>3</u>	<u>6.63</u>	<u>716</u>	_____	_____	_____
<u>0855</u>	<u>5</u>	<u>6.58</u>	<u>711</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>5 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G,BTEX,MTBE by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 6/21/02
 City: San Leandro Sampler: G. D.

Well ID: MW-3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed: 0 gal.
 Total Depth: 24.38 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.04 ft.

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

10.34 xVF 0.17 = 1.76 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

Start Time (purge): 1235 Weather Conditions: Drizzle
 Sample Time/Date: 1300 6/21/02 Water Color: grey Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1240</u>	<u>2</u>	<u>6.78</u>	<u>808</u>	<u>19.9</u>		
<u>1245</u>	<u>4</u>	<u>6.60</u>	<u>799</u>	<u>19.9</u>		
<u>1250</u>	<u>5.5</u>	<u>6.63</u>	<u>796</u>	<u>20.0</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004
 Site Address: 15599 Hesperian Blvd.
 City: San Leandro

Job Number: 180106
 Event Date: 6/21/02
 Sampler: G.R.

Well ID: MW-4
 Well Diameter: 2 in.
 Total Depth: 25.34 ft.
 Depth to Water: 12.45 ft.

Well Condition: OK
 Hydrocarbon Thickness: 0 ft.
 Amount Bailed (product/water): 0 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

12.86 xVF 0.17 = 2.19 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

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

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

Start Time (purge): 0915 Weather Conditions: Drizzle
 Sample Time/Date: 0945 6/21/02 Water Color: Clear Odor: No
 Purging Flow Rate: 2.5 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0925</u>	<u>2</u>	<u>6.84</u>	<u>729</u>	<u>19.6</u>		
<u>0930</u>	<u>4</u>	<u>6.79</u>	<u>733</u>	<u>19.6</u>		
<u>0935</u>	<u>6.5</u>	<u>6.78</u>	<u>726</u>	<u>19.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>4</u>	<u>5</u> x vva vial	YES	HCL	STL Pleasanton	TPH-G,BTEX,MTBE by 8260

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 6/21/02
 City: San Leandro Sampler: G. Ryan

Well ID: MW-5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 25.80 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.22 ft.

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

11.58 x VF 0.17 = 1.97 x3 (case volume) = Estimated Purge Volume: 6 gal.

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

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

Start Time (purge): 1040 Weather Conditions: Drizzle
 Sample Time/Date: 1130 / 6/21/02 Water Color: Clear Odor: No
 Purging Flow Rate: 21.5 gpm. Sediment Description: _____
 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>1050</u>	<u>2</u>	<u>7.18</u>	<u>774</u>	<u>18.9</u>		
<u>1105</u>	<u>4</u>	<u>7.09</u>	<u>769</u>	<u>19.2</u>		
<u>1115</u>	<u>6</u>	<u>7.03</u>	<u>767</u>	<u>19.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	5 x vov vial	YES	HCL	STL Pleasanton	TPH-G,BTEX,MTBE by 8260

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 9/21/07
 City: San Leandro Sampler: G.R.

Well ID: MW-6 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 25.31 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.38 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

10.92 xVF 0.17 = 1.86 x3 (case volume) = Estimated Purge Volume: 6 gal.

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

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

Start Time (purge): 0955 Weather Conditions: Drizzle
 Sample Time/Date: 10301 9/21/07 Water Color: Clear Odor: No
 Purging Flow Rate: 21.5 gpm. Sediment Description: _____
 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>1010</u>	<u>2</u>	<u>7.06</u>	<u>797</u>	<u>18.7</u>	_____	_____
<u>1015</u>	<u>4</u>	<u>7.11</u>	<u>791</u>	<u>15.7</u>	_____	_____
<u>1020</u>	<u>6</u>	<u>7.05</u>	<u>785</u>	<u>18.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>5</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G,BTEX,MTBE by 8260</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 6/21/02
 City: San Leandro Sampler: G. Ryan

Well ID: RW-1 Well Condition: OK
 Well Diameter: 6 in. Hydrocarbon Amount Bailed
 Total Depth: 26.41 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 13.85 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
12.54 xVF 1.50 = 18.84 x3 (case volume) = Estimated Purge Volume: 57 gal.

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

Start Time (purge): 1135 Weather Conditions: Drizzle
 Sample Time/Date: 1230 6/21/02 Water Color: Clear Odor: NO
 Purging Flow Rate: 21.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1150</u>	<u>19</u>	<u>6.73</u>	<u>726</u>	<u>19.7</u>		
<u>1205</u>	<u>38</u>	<u>6.67</u>	<u>721</u>	<u>20.2</u>		
<u>1220</u>	<u>57</u>	<u>6.67</u>	<u>718</u>	<u>21.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
RW-1	<u>5</u> x voa vial	YES	HCL	STL Pleasanton	TPH-G,BTEX,MTBE by 8260

COMMENTS: _____

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

2002-06-05/4

Gettler-Ryan Inc., Chain-of-Custody

67164

Tesco Corp./ Phillips 66 Co. 2000 Crow Canyon Place Suite 400 San Ramon, CA 94583	Facility Number	#7004	Laboratory Name	STL - PLEASANTON, CA
	Facility Address	15599 HESPERIAN BLVD., SAN LEANDRO, CA	Consultant	GETTLER-RYAN, INC. DEANNA L. HARDING
	Global ID	T0600101451	Project	180106.80
	Client Contact	MR. DAVID B. DEWITT	Address	6747 SIERRA CT., SUITE J, DUBLIN CA 94568
	Phone	(925) 277-2384	Phone	(925) 551-7555 Fax (925) 551-7899
		Samples Collected by <u>G. Rogers</u>		

SAMPLE ID	Number of Containers Metrix	S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 9520	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HYOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
QA	1	W	HCL	4/26/02					X									
MW-1	5	W	HCL	0825					X									
MW-2	5	W	HCL	0910					X									
MW-3	5	W	HCL	1300					X									
MW-4	5	W	HCL	0945					X									
MW-5	5	W	HCL	1130					X									
MW-6	5	W	HCL	1030					X									
RW-1	5	W	HCL	1230					X									
MW-5	5	W	HCL	1130					X									

5.10

MSB - 700g - BR 6/24/02

Samples found

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

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days <u>As Contracted</u>
<i>[Signature]</i>	G-R	4/26/02 1300	<i>[Signature]</i>	STL-SF	6/26/02 1810		
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
<i>[Signature]</i>	G-R	6/26/02 1000	<i>[Signature]</i>	STL-SF	6/26/02		
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N	
			<i>[Signature]</i>		6-24-02 1530		

Delivered by: Dunaik 6/26/02 1810

Gettler Ryan

6747 Sierra Court Suite J
Dublin, CA 94568

Attn: Ms. Deanna Harding

Project: 180106.80

Tosco # 7004

Site: 15599 Hesperian Blvd.

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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

RECEIVED

9

GETTLER RYAN INC
GENERAL CORP

Dear Ms. Harding,

Attached is our report for your samples received on Monday June 24, 2002
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
August 8, 2002 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@chromalab.com

Sincerely,



Tod Granicher
Project Manager

Submission #: 2002-06-0435

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: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

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www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	06/21/2002	Water	1
MW-1	06/21/2002 08:25	Water	2
MW-2	06/21/2002 09:10	Water	3
MW-3	06/21/2002 13:00	Water	4
MW-4	06/21/2002 09:45	Water	5
MW-6	06/21/2002 10:30	Water	6
RW-1	06/21/2002 12:30	Water	7
MW-5	06/21/2002 11:30	Water	8

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2002-06-0435 - 1
Sampled:	06/21/2002	Extracted:	7/2/2002 18:53
Matrix:	Water	QC Batch#:	2002/07/02-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/02/2002 18:53	
Benzene	ND	0.50	ug/L	1.00	07/02/2002 18:53	
Toluene	ND	0.50	ug/L	1.00	07/02/2002 18:53	
Ethylbenzene	ND	0.50	ug/L	1.00	07/02/2002 18:53	
Total xylenes	ND	1.0	ug/L	1.00	07/02/2002 18:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/02/2002 18:53	
Surrogates(s)						
1,2-Dichloroethane-d4	88.9	76-114	%	1.00	07/02/2002 18:53	
Toluene-d8	99.9	88-110	%	1.00	07/02/2002 18:53	

Submission #: 2002-06-0435

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2002-06-0435 - 2
Sampled:	06/21/2002 08:25	Extracted:	7/2/2002 19:16
Matrix:	Water	QC Batch#:	2002/07/02-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	76	50	ug/L	1.00	07/02/2002 19:16	g
Benzene	ND	0.50	ug/L	1.00	07/02/2002 19:16	
Toluene	ND	0.50	ug/L	1.00	07/02/2002 19:16	
Ethylbenzene	ND	0.50	ug/L	1.00	07/02/2002 19:16	
Total xylenes	ND	1.0	ug/L	1.00	07/02/2002 19:16	
Methyl tert-butyl ether (MTBE)	0.59	0.50	ug/L	1.00	07/02/2002 19:16	
Surrogates(s)						
1,2-Dichloroethane-d4	87.3	76-114	%	1.00	07/02/2002 19:16	
Toluene-d8	95.7	88-110	%	1.00	07/02/2002 19:16	

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

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Project: 180106.80

Tosco # 7004

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2002-06-0435 - 3
Sampled:	06/21/2002 09:10	Extracted:	7/2/2002 19:39
Matrix:	Water	QC Batch#:	2002/07/02-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	100	50	ug/L	1.00	07/02/2002 19:39	g
Benzene	ND	0.50	ug/L	1.00	07/02/2002 19:39	
Toluene	ND	0.50	ug/L	1.00	07/02/2002 19:39	
Ethylbenzene	ND	0.50	ug/L	1.00	07/02/2002 19:39	
Total xylenes	ND	1.0	ug/L	1.00	07/02/2002 19:39	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/02/2002 19:39	
Surrogates(s)						
1,2-Dichloroethane-d4	85.6	76-114	%	1.00	07/02/2002 19:39	
Toluene-d8	91.2	88-110	%	1.00	07/02/2002 19:39	

Submission #: 2002-06-0435

SEVERN

Gas/BTEXFuel Oxygenates by 8260B

TRENT

LABORATORY

Gettler Ryan

Attn.: Deanna Harding
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Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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CA DHS ELAP# 2496

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2002-06-0435 - 4
Sampled: 06/21/2002 13:00	Extracted: 7/3/2002 17:13
Matrix: Water	QC Batch#: 2002/07/03-01.62
Analysis Flag: o (See Legent and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	11000	500	ug/L	10.00	07/03/2002 17:13	
Benzene	ND	5.0	ug/L	10.00	07/03/2002 17:13	
Toluene	ND	5.0	ug/L	10.00	07/03/2002 17:13	
Ethylbenzene	690	5.0	ug/L	10.00	07/03/2002 17:13	
Total xylenes	ND	10	ug/L	10.00	07/03/2002 17:13	
Methyl tert-butyl ether (MTBE)	17	5.0	ug/L	10.00	07/03/2002 17:13	
Surrogates(s)						
1,2-Dichloroethane-d4	87.6	76-114	%	10.00	07/03/2002 17:13	
Toluene-d8	108.0	88-110	%	10.00	07/03/2002 17:13	

Submission #: 2002-06-0435

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Gas/BTEXFuel Oxygenates by 8260B

TRENT

LABORATORY

Gettler Ryan

Attn.: Deanna Harding
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Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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Site: 15599 Hesperian Blvd.
San Leandro, CA

CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2002-06-0435 - 5
Sampled:	06/21/2002 09:45	Extracted:	7/4/2002 12:46
Matrix:	Water	QC Batch#:	2002/07/04-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	54	50	ug/L	1.00	07/04/2002 12:46	g
Benzene	ND	0.50	ug/L	1.00	07/04/2002 12:46	
Toluene	ND	0.50	ug/L	1.00	07/04/2002 12:46	
Ethylbenzene	ND	0.50	ug/L	1.00	07/04/2002 12:46	
Total xylenes	ND	1.0	ug/L	1.00	07/04/2002 12:46	
Methyl tert-butyl ether (MTBE)	3.6	0.50	ug/L	1.00	07/04/2002 12:46	
Surrogates(s)						
1,2-Dichloroethane-d4	85.9	76-114	%	1.00	07/04/2002 12:46	
Toluene-d8	93.0	88-110	%	1.00	07/04/2002 12:46	

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
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Project: 180106.80
Tosco # 7004

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2002-06-0435 - 6
Sampled:	06/21/2002 10:30	Extracted:	7/3/2002 17:58
Matrix:	Water	QC Batch#:	2002/07/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/03/2002 17:58	
Benzene	ND	0.50	ug/L	1.00	07/03/2002 17:58	
Toluene	ND	0.50	ug/L	1.00	07/03/2002 17:58	
Ethylbenzene	ND	0.50	ug/L	1.00	07/03/2002 17:58	
Total xylenes	ND	1.0	ug/L	1.00	07/03/2002 17:58	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/03/2002 17:58	
Surrogates(s)						
1,2-Dichloroethane-d4	88.3	76-114	%	1.00	07/03/2002 17:58	
Toluene-d8	104.5	88-110	%	1.00	07/03/2002 17:58	

Submission #: 2002-06-0435

SEVERN

TRENT

LABORATORY

Gas/BTEXFuel 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: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2002-06-0435 - 8
Sampled:	06/21/2002 11:30	Extracted:	7/3/2002 18:43
Matrix:	Water	QC Batch#:	2002/07/03-01 62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	190	50	ug/L	1.00	07/03/2002 18:43	g
Benzene	ND	0.50	ug/L	1.00	07/03/2002 18:43	
Toluene	ND	0.50	ug/L	1.00	07/03/2002 18:43	
Ethylbenzene	ND	0.50	ug/L	1.00	07/03/2002 18:43	
Total xylenes	ND	1.0	ug/L	1.00	07/03/2002 18:43	
Methyl tert-butyl ether (MTBE)	85	0.50	ug/L	1.00	07/03/2002 18:43	
Surrogates(s)						
1,2-Dichloroethane-d4	85.6	76-114	%	1.00	07/03/2002 18:43	
Toluene-d8	100.2	88-110	%	1.00	07/03/2002 18:43	

Submission #: 2002-06-0435

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: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

SEVERN
TRENT
LABORATORY

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	RW-1	Lab ID:	2002-06-0435 - 7
Sampled:	06/21/2002 12:30	Extracted:	7/3/2002 18:21
Matrix:	Water	QC Batch#:	2002/07/03-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	400	50	ug/L	1.00	07/03/2002 18:21	
Benzene	ND	0.50	ug/L	1.00	07/03/2002 18:21	
Toluene	ND	0.50	ug/L	1.00	07/03/2002 18:21	
Ethylbenzene	ND	0.50	ug/L	1.00	07/03/2002 18:21	
Total xylenes	ND	1.0	ug/L	1.00	07/03/2002 18:21	
Methyl tert-butyl ether (MTBE)	130	0.50	ug/L	1.00	07/03/2002 18:21	
Surrogates(s)						
1,2-Dichloroethane-d4	90.0	76-114	%	1.00	07/03/2002 18:21	
Toluene-d8	101.9	88-110	%	1.00	07/03/2002 18:21	

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Method Blank		Water	QC Batch # 2002/07/02-01.62
MB: 2002/07/02-01.62-049			Date Extracted: 07/02/2002 11:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/02/2002 12:24	
Benzene	ND	0.5	ug/L	07/02/2002 12:24	
Toluene	ND	0.5	ug/L	07/02/2002 12:24	
Ethylbenzene	ND	0.5	ug/L	07/02/2002 12:24	
Total xylenes	ND	1.0	ug/L	07/02/2002 12:24	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/02/2002 12:24	
Surrogates(s)					
1,2-Dichloroethane-d4	87.6	76-114	%	07/02/2002 12:24	
Toluene-d8	100.0	88-110	%	07/02/2002 12:24	

Submission #: 2002-06-0435

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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CA DHS ELAP# 2496

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank	Water			QC Batch # 2002/07/03-01.62	
MB: 2002/07/03-01.62-044				Date Extracted: 07/03/2002 12:27	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/03/2002 12:27	
Benzene	ND	0.5	ug/L	07/03/2002 12:27	
Toluene	ND	0.5	ug/L	07/03/2002 12:27	
Ethylbenzene	ND	0.5	ug/L	07/03/2002 12:27	
Total xylenes	ND	1.0	ug/L	07/03/2002 12:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/03/2002 12:27	
Surrogates(s)					
1,2-Dichloroethane-d4	94.0	76-114	%	07/03/2002 12:27	
Toluene-d8	108.0	88-110	%	07/03/2002 12:27	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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Site: 15599 Hesperian Blvd.
San Leandro, CA

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/07/04-01.62-024

Water

Test(s): 8260FAB

QC Batch #: 2002/07/04-01.62

Date Extracted: 07/04/2002 12:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/04/2002 12:24	
Benzene	ND	0.5	ug/L	07/04/2002 12:24	
Toluene	ND	0.5	ug/L	07/04/2002 12:24	
Ethylbenzene	ND	0.5	ug/L	07/04/2002 12:24	
Total xylenes	ND	1.0	ug/L	07/04/2002 12:24	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/04/2002 12:24	
Surrogates(s)					
1,2-Dichloroethane-d4	89.2	76-114	%	07/04/2002 12:24	
Toluene-d8	101.4	88-110	%	07/04/2002 12:24	

Gas/BTEXFuel Oxygenates by 8260B

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Received: 06/24/2002 15:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2002/07/02-01.62

LCS 2002/07/02-01.62-048

Extracted: 07/02/2002

Analyzed: 07/02/2002 10:24

LCSD 2002/07/02-01.62-046

Extracted: 07/02/2002

Analyzed: 07/02/2002 10:46

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.9	26.6	25.0	111.6	106.4	4.8	65-165	20		
Benzene	25.8	23.5	25.0	103.2	94.0	9.3	69-129	20		
Toluene	25.9	25.2	25.0	103.6	100.8	2.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486	472	500	97.2	94.4		76-114	0		
Toluene-d8	498	489	500	99.6	97.8		88-110	0		

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2002/07/03-01.62

LCS 2002/07/03-01.62-045

Extracted: 07/03/2002

Analyzed: 07/03/2002 14:24

LCSD 2002/07/03-01.62-004

Extracted: 07/03/2002

Analyzed: 07/03/2002 12:04

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.8	25.3	25.0	103.2	101.2	2.0	65-165	20		
Benzene	22.8	22.2	25.0	91.2	88.8	2.7	69-129	20		
Toluene	25.5	23.5	25.0	102.0	94.0	8.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	464	510	500	92.8	102.0		76-114	0		
Toluene-d8	507	535	500	101.4	107.0		88-110	0		

Submission #: 2002-06-0435

Gas/BTEXFuel Oxygenates by 8260B

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Project: 180106.80
Tosco # 7004

Received: 06/24/2002 15:55

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2002/07/04-01.62

LCS 2002/07/04-01.62-032

Extracted: 07/04/2002

Analyzed: 07/04/2002 11:32

LCSD 2002/07/04-01.62-054

Extracted: 07/04/2002

Analyzed: 07/04/2002 11:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	21.3	21.8	25.0	85.2	87.2	2.3	69-129	20		
Toluene	22.5	23.0	25.0	90.0	92.0	2.2	70-130	20		
Methyl tert-butyl ether (MTBE)	24.3	24.4	25.0	97.2	97.6	0.4	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	482	498	500	96.4	99.6		76-114			
Toluene-d8	516	517	500	103.2	103.4		88-110			

Submission #: 2002-06-0435

Gas/BTEX Fuel Oxygenates by 8260B

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Tosco # 7004

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CA DHS ELAP# 2496

Legend and Notes

Report Comment

Sample MW-5 was received by the laboratory on June 26, 2002.

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.

***TOSCO (UNOCAL) SERVICE STATION#7004
SAN LEANDRO, CA***

***QUARTERLY MONITORING AND SAMPLING
EVENT OF July 29, 2002***



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: GDW

Well ID: MW-1 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 23.87 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 13.76 ft.

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

10.11 xVF 0.17 = 1.72 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

Start Time (purge): 0630 Weather Conditions: overcast
 Sample Time/Date: 0710 7/29/02 Water Color: light brown Odor: NO
 Purging Flow Rate: - gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0635</u>	<u>2</u>	<u>6.92</u>	<u>1052</u>	<u>21.6</u>		
<u>0645</u>	<u>4</u>	<u>6.87</u>	<u>1047</u>	<u>21.6</u>		
<u>0653</u>	<u>5.5</u>	<u>6.80</u>	<u>1045</u>	<u>21.5</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: G.R.

Well ID: MW-2 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 24.06 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.36 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

9.7 xVF 0.17 = 1.65 x3 (case volume) = Estimated Purge Volume: 5 gal.

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

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

Start Time (purge): 0720 Weather Conditions: Overcast
 Sample Time/Date: 0800 7/29/02 Water Color: light brown Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>0725</u>	<u>1.5</u>	<u>7.11</u>	<u>801</u>	<u>22.4</u>		
<u>0735</u>	<u>3</u>	<u>6.77</u>	<u>806</u>	<u>22.4</u>		
<u>0742</u>	<u>5</u>	<u>6.73</u>	<u>798</u>	<u>22.3</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: G.R.

Well ID: MW-3 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 24.38 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.28 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

10.1 xVF 0.17 = 1.71 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

Start Time (purge): 1205 Weather Conditions: Overcast
 Sample Time/Date: 1230 7/29/02 Water Color: grey Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1210</u>	<u>2</u>	<u>7.14</u>	<u>863</u>	<u>72.1</u>		
<u>1215</u>	<u>4</u>	<u>7.06</u>	<u>852</u>	<u>72.0</u>		
<u>1220</u>	<u>5.5</u>	<u>6.94</u>	<u>860</u>	<u>72.0</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: GR

Well ID: MW-4 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 25.34 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 13.08 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

12.26 xVF 0.17 = 208 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

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

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

Start Time (purge): 0905 Weather Conditions: Overcast
 Sample Time/Date: 0940 7/29/02 Water Color: Clear Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0915</u>	<u>2</u>	<u>7.28</u>	<u>814</u>	<u>21.1</u>	_____	_____
<u>0922</u>	<u>4</u>	<u>7.20</u>	<u>800</u>	<u>21.0</u>	_____	_____
<u>0925</u>	<u>6.5</u>	<u>7.19</u>	<u>799</u>	<u>21.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: G.R.

Well ID: MW-5 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 25.80 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.98 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

11.32 xVF 0.17 = 1.92 x3 (case volume) = Estimated Purge Volume: 6 gal.

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

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

Start Time (purge): 0955 Weather Conditions: Overcast
 Sample Time/Date: 1035 7/29/02 Water Color: Clear Odor: Na
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1005</u>	<u>2</u>	<u>7.15</u>	<u>796</u>	<u>21.7</u>		
<u>1010</u>	<u>4</u>	<u>7.06</u>	<u>787</u>	<u>21.6</u>		
<u>1015</u>	<u>6</u>	<u>7.02</u>	<u>791</u>	<u>21.5</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/02
 City: San Leandro, CA Sampler: GR

Well ID: MW-6 Well Condition: OK
 Well Diameter: 2 in. Hydrocarbon Amount Bailed
 Total Depth: 25.31 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.64 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

10.67 xVF 0.17 = 1.81 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

Start Time (purge): 0815 Weather Conditions: Overcast
 Sample Time/Date: 0850 7/29/02 Water Color: Clear Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0825</u>	<u>2</u>	<u>7.44</u>	<u>866</u>	<u>21.7</u>		
<u>0830</u>	<u>4</u>	<u>7.30</u>	<u>862</u>	<u>21.6</u>		
<u>0835</u>	<u>5.5</u>	<u>7.25</u>	<u>860</u>	<u>21.6</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</u>	<u>TPH-G, BTEX, /MTBE (8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Tosco #7004 Job Number: 180106
 Site Address: 15599 Hesperian Blvd. Event Date: 7/29/01
 City: San Leandro, CA Sampler: GA

Well ID: RW-1 Well Condition: OK
 Well Diameter: 6 in. Hydrocarbon: _____ Amount Bailed: _____
 Total Depth: 26.41 ft. Thickness: 0 ft. (product/water): 0 gal.
 Depth to Water: 14.11 ft.

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

12.3 xVF 1.5 = 18.45 x3 (case volume) = Estimated Purge Volume: 56 gal.

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

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

Start Time (purge): 1100 Weather Conditions: Overcast
 Sample Time/Date: 1200 7/29/01 Water Color: Clear Odor: NO
 Purging Flow Rate: ~1.5 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1120</u>	<u>19</u>	<u>7.33</u>	<u>753</u>	<u>21.7</u>	_____	_____
<u>1135</u>	<u>38</u>	<u>7.27</u>	<u>741</u>	<u>21.6</u>	_____	_____
<u>1150</u>	<u>56</u>	<u>7.24</u>	<u>748</u>	<u>21.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

2002-07-0588

67797
Gettler-Ryan Inc., Chain-of-Custody

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

Facility Number #7004
Facility Address 15599 HESPERIAN BLVD., SAN LEANDRO, CA
Global ID T0600101451 Project 180106.80
Client Contact MR. DAVID B. DEWITT
Phone (925) 277-2384

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

SAMPLE ID	Number of Containers Matrix	S = Soil W = Water A = Air C = Chertool	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 3620	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HYDROCARBONS (BTEX) EPA 8021B	VOC'S (BTEX) EPA 8260	SVOC'S EPA 8270	Remarks
FB-LB	1	W	HCL	7/2/02														
NW-1	3	W	HCL	" 0710														
NW-2	3	W	HCL	" 0800														
NW-3	3	W	HCL	" 1730														
NW-4	3	W	HCL	" 0940														
NW-5	3	W	HCL	" 1035														
NW-6	3	W	HCL	" 0850														
RW-1	3	W	HCL	" 1200														

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

Shipped By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
Shipped By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
Shipped By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	Iced Y/N	

Submission#: 2002-07-0588

August 13, 2002

SEVERN

TRENT

LABORATORY

Gettler Ryan

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180106.80

Project: Tosco #7004

Site: 15599 Hesperian Blvd.
San Leandro, CA

STL San Francisco
1220 Quarry Ln
Pleasanton CA 94566

Tel.: (925) 484-1919
Fax: (925) 484-1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#:2496

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GETTLER RYAN
PROJECT # 180106.80

Dear Ms. Harding,

Attached is our report for your samples received on 07/29/2002 13:55

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 09/12/2002 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@chromalab.com

Sincerely,



Tod Granicher
Project Manager

Submission #: 2002-07-0588

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: 180106.80
Tosco #7004

Received: 07/29/2002 13:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

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www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TB-LB	07/29/2002	Water	1
MW-1	07/29/2002 07:10	Water	2
MW-2	07/29/2002 08:00	Water	3
MW-3	07/29/2002 12:30	Water	4
MW-4	07/29/2002 09:40	Water	5
MW-5	07/29/2002 10:35	Water	6
MW-6	07/29/2002 08:50	Water	7
RW-1	07/29/2002 12:00	Water	8

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	TB-LB	Lab ID:	2002-07-0588 - 1
Sampled:	07/29/2002	Extracted:	8/7/2002 16:20
Matrix:	Water	QC Batch#:	2002/08/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/07/2002 16:20	
Benzene	ND	0.50	ug/L	1.00	08/07/2002 16:20	
Toluene	ND	0.50	ug/L	1.00	08/07/2002 16:20	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2002 16:20	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2002 16:20	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/07/2002 16:20	
Surrogates(s)						
1,2-Dichloroethane-d4	77.2	76-114	%	1.00	08/07/2002 16:20	
Toluene-d8	96.1	88-110	%	1.00	08/07/2002 16:20	

Submission #: 2002-07-0588

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180106.80
Tosco #7004

Received: 07/29/2002 13:55

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2002-07-0588-2
Sampled:	07/29/2002 07:10	Extracted:	8/7/2002 15:12
Matrix:	Water	QC Batch#:	2002/08/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	54	50	ug/L	1.00	08/07/2002 15:12	g
Benzene	ND	0.50	ug/L	1.00	08/07/2002 15:12	
Toluene	ND	0.50	ug/L	1.00	08/07/2002 15:12	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2002 15:12	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2002 15:12	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/07/2002 15:12	
Surrogates(s)						
1,2-Dichloroethane-d4	76.8	76-114	%	1.00	08/07/2002 15:12	
Toluene-d8	90.8	88-110	%	1.00	08/07/2002 15:12	

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
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Project: 180106.80
Tosco #7004

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2002-07-0588 - 3
Sampled:	07/29/2002 08:00	Extracted:	8/8/2002 14:15
Matrix:	Water	QC Batch#:	2002/08/08-01-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	60	50	ug/L	1.00	08/08/2002 14:15	g
Benzene	ND	0.50	ug/L	1.00	08/08/2002 14:15	
Toluene	ND	0.50	ug/L	1.00	08/08/2002 14:15	
Ethylbenzene	ND	0.50	ug/L	1.00	08/08/2002 14:15	
Total xylenes	ND	1.0	ug/L	1.00	08/08/2002 14:15	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/08/2002 14:15	
Surrogates(s)						
1,2-Dichloroethane-d4	77.9	76-114	%	1.00	08/08/2002 14:15	
Toluene-d8	99.4	88-110	%	1.00	08/08/2002 14:15	

Submission #: 2002-07-0588

Gas/BTEX Fuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2002-07-0588 - 4
Sampled: 07/29/2002 12:30	Extracted: 8/7/2002 19:42
Matrix: Water	QC Batch#: 2002/08/07-01 62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6800	500	ug/L	10.00	08/07/2002 19:42	
Benzene	ND	5.0	ug/L	10.00	08/07/2002 19:42	
Toluene	ND	5.0	ug/L	10.00	08/07/2002 19:42	
Ethylbenzene	1100	5.0	ug/L	10.00	08/07/2002 19:42	
Total xylenes	ND	10	ug/L	10.00	08/07/2002 19:42	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	10.00	08/07/2002 19:42	
Surrogates(s)						
1,2-Dichloroethane-d4	80.6	76-114	%	1.00	08/07/2002 19:42	
Toluene-d8	104.6	88-110	%	1.00	08/07/2002 19:42	

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

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Project: 180106.80
Tosco #7004

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2002-07-0588-5
Sampled:	07/29/2002 09:40	Extracted:	8/8/2002 14:38
Matrix:	Water	QC Batch#:	2002/08/08-01:62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/08/2002 14:38	
Benzene	ND	0.50	ug/L	1.00	08/08/2002 14:38	
Toluene	ND	0.50	ug/L	1.00	08/08/2002 14:38	
Ethylbenzene	ND	0.50	ug/L	1.00	08/08/2002 14:38	
Total xylenes	ND	1.0	ug/L	1.00	08/08/2002 14:38	
Methyl tert-butyl ether (MTBE)	5.7	2.0	ug/L	1.00	08/08/2002 14:38	
Surrogates(s)						
1,2-Dichloroethane-d4	79.1	76-114	%	1.00	08/08/2002 14:38	
Toluene-d8	92.3	88-110	%	1.00	08/08/2002 14:38	

Submission #: 2002-07-0588

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180106.80
Tosco #7004

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2002-07-0588 - 6
Sampled:	07/29/2002 10:35	Extracted:	8/7/2002 17:28
Matrix:	Water	QC Batch#:	2002/08/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	120	50	ug/L	1.00	08/07/2002 17:28	g
Benzene	ND	0.50	ug/L	1.00	08/07/2002 17:28	
Toluene	ND	0.50	ug/L	1.00	08/07/2002 17:28	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2002 17:28	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2002 17:28	
Methyl tert-butyl ether (MTBE)	76	2.0	ug/L	1.00	08/07/2002 17:28	
Surrogates(s)						
1,2-Dichloroethane-d4	80.7	76-114	%	1.00	08/07/2002 17:28	
Toluene-d8	95.4	88-110	%	1.00	08/07/2002 17:28	

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding
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Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180106.80
Tosco #7004

Received: 07/29/2002 13:55

Site: 15599 Hesperian Blvd.
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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-6	Lab ID:	2002-07-0588-7
Sampled:	07/29/2002 08:50	Extracted:	8/7/2002 17:50
Matrix:	Water	QC Batch#:	2002/08/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/07/2002 17:50	
Benzene	ND	0.50	ug/L	1.00	08/07/2002 17:50	
Toluene	ND	0.50	ug/L	1.00	08/07/2002 17:50	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2002 17:50	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2002 17:50	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/07/2002 17:50	
Surrogates(s)						
1,2-Dichloroethane-d4	79.4	76-114	%	1.00	08/07/2002 17:50	
Toluene-d8	96.5	88-110	%	1.00	08/07/2002 17:50	

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

Gettler Ryan

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Received: 07/29/2002 13:55

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CA DHS ELAP# 2496

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	RW-1	Lab ID:	2002-07-0588 - 8
Sampled:	07/29/2002 12:00	Extracted:	8/7/2002 18:13
Matrix:	Water	QC Batch#:	2002/08/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	130	50	ug/L	1.00	08/07/2002 18:13	
Benzene	ND	0.50	ug/L	1.00	08/07/2002 18:13	
Toluene	ND	0.50	ug/L	1.00	08/07/2002 18:13	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2002 18:13	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2002 18:13	
Methyl tert-butyl ether (MTBE)	91	2.0	ug/L	1.00	08/07/2002 18:13	
Surrogates(s)						
1,2-Dichloroethane-d4	81.0	76-114	%	1.00	08/07/2002 18:13	
Toluene-d8	93.9	88-110	%	1.00	08/07/2002 18:13	

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2002/08/07-01.62	
MB: 2002/08/07-01.62-059				Date Extracted: 08/07/2002 11:26	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/07/2002 11:26	
Benzene	ND	0.5	ug/L	08/07/2002 11:26	
Toluene	ND	0.5	ug/L	08/07/2002 11:26	
Ethylbenzene	ND	0.5	ug/L	08/07/2002 11:26	
Total xylenes	ND	1.0	ug/L	08/07/2002 11:26	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/07/2002 11:26	
Surrogates(s)					
1,2-Dichloroethane-d4	78.0	76-114	%	08/07/2002 11:26	
Toluene-d8	102.4	88-110	%	08/07/2002 11:26	

Submission #: 2002-07-0588

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: 180106.80
Tosco #7004

Received: 07/29/2002 13:55

Site: 15599 Hesperian Blvd.
San Leandro, CA

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STL San Francisco
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Pleasanton, CA 94566

Tel: (925) 484-1919
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www.stl-inc.com
www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2002/08/08-01 62-048

Water

Test(s) 8260FAB

QC Batch # 2002/08/08-01.62

Date Extracted: 08/08/2002 16:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/08/2002 16:08	
Benzene	ND	0.5	ug/L	08/08/2002 16:08	
Toluene	ND	0.5	ug/L	08/08/2002 16:08	
Ethylbenzene	ND	0.5	ug/L	08/08/2002 16:08	
Total xylenes	ND	1.0	ug/L	08/08/2002 16:08	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/08/2002 16:08	
Surrogates(s)					
1,2-Dichloroethane-d4	78.6	76-114	%	08/08/2002 16:08	
Toluene-d8	100.4	88-110	%	08/08/2002 16:08	

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2002/08/07-01.62			
LCS	2002/08/07-01.62-042		Extracted: 08/07/2002			Analyzed: 08/07/2002 10:42			
LCSD	2002/08/07-01.62-004		Extracted: 08/07/2002			Analyzed: 08/07/2002 11:04			

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.8	24.9	25.0	111.2	99.6	11.0	65-165	20		
Benzene	22.8	25.4	25.0	91.2	101.6	10.8	69-129	20		
Toluene	25.3	27.4	25.0	101.2	109.6	8.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	431	387	500	86.2	77.4		76-114			
Toluene-d8	507	534	500	101.4	106.8		88-110			

Submission #: 2002-07-0588

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2002/08/08-01.62

LCS 2002/08/08-01.62-024

Extracted: 08/08/2002

Analyzed: 08/08/2002 12:24

LCSD 2002/08/08-01.62-046

Extracted: 08/08/2002

Analyzed: 08/08/2002 12:46

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.3	24.6	25.0	93.2	98.4	5.4	69-129	20		
Toluene	26.6	25.3	25.0	106.4	101.2	5.0	70-130	20		
Methyl tert-butyl ether (MTBE)	27.9	25.8	25.0	111.6	103.2	7.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	443	430	500	88.6	86.0		76-114			
Toluene-d8	529	528	500	105.8	105.6		88-110			

Gas/BTEXFuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Batch QC Report			
Prep(s):	5030B		Test(s): 8260FAB
Matrix Spike (MS / MSD)		Water	QC Batch # 2002/08/07-01.62
MW-1	>> MS		Lab ID: 2002-07-0588 - 002
MS:	2002/08/07-01.62-035	Extracted: 08/07/2002	Analyzed: 08/07/2002 15:35
			Dilution: 1.00
MSD:	2002/08/07-01.62-057	Extracted: 08/07/2002	Analyzed: 08/07/2002 15:57
			Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	22.2	22.5	ND	25.0	88.8	90.0	1.3	69-129	20		
Toluene	24.5	23.5	ND	25.0	98.0	94.0	4.2	70-130	20		
Methyl tert-butyl ether	27.5	25.6	0.660	25.0	107.4	99.8	7.3	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	406	428		500	81.2	85.5		76-114			
Toluene-d8	477	492		500	95.3	98.4		88-110			

Submission #: 2002-07-0588

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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.