

RW-443



2000 Crow Canyon Place
Suite 400
San Ramon, CA 94583

Phone: (925) 277-2306
Fax: (925) 277-2361

Environmental Department

May 12, 2003

Re: **Tosco (Unocal) Service Station #5430**
1935 Washington Avenue
San Leandro, California

Alameda County
MAY 14 2003
Environmental Health

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

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

David B. DeWitt
Site Manager
ConocoPhillips



GETTLER-RYAN INC.

TRANSMITTAL

April 25, 2003

G-R #180107

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

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

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

RE: **Tosco (Unocal) Service Station
#5430
1935 Washington Avenue
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	April 23, 2003	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of March 18, 2003

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **May 9, 2003**, this report will be distributed to the following:

cc: Mr. Scott Seery, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501
Mr. Michael Bakaldin, City of San Leandro Fire Dept., 835 East 14th Street, San Leandro, CA 94577

Enclosure

trans/5430-dbd

6747 Sierra Court, Suite J • Dublin, California 94568 • (925) 551-7555



GETTLER-RYAN INC.

April 23, 2003
G-R Job #180107

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

RE: First Semi-Annual Event of March 18, 2003
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Dear Mr. De Witt:

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

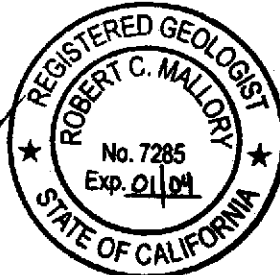
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

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

Sincerely,

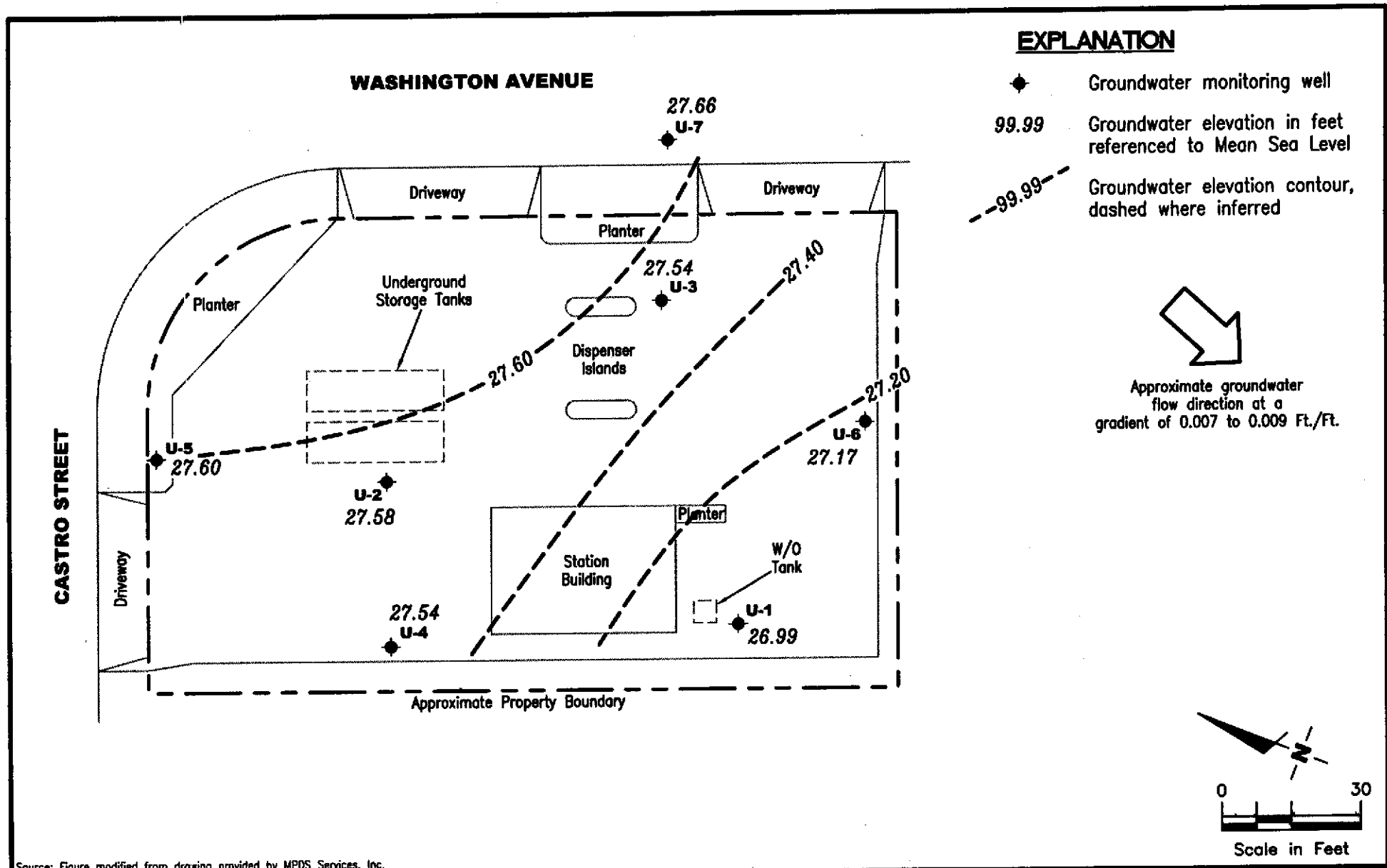
Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285



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

5430.qml

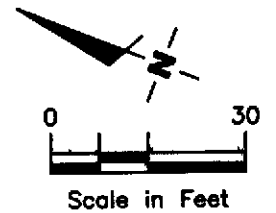


EXPLANATION

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



Approximate groundwater flow direction at a gradient of 0.007 to 0.009 Ft./Ft.



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

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 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

FIGURE

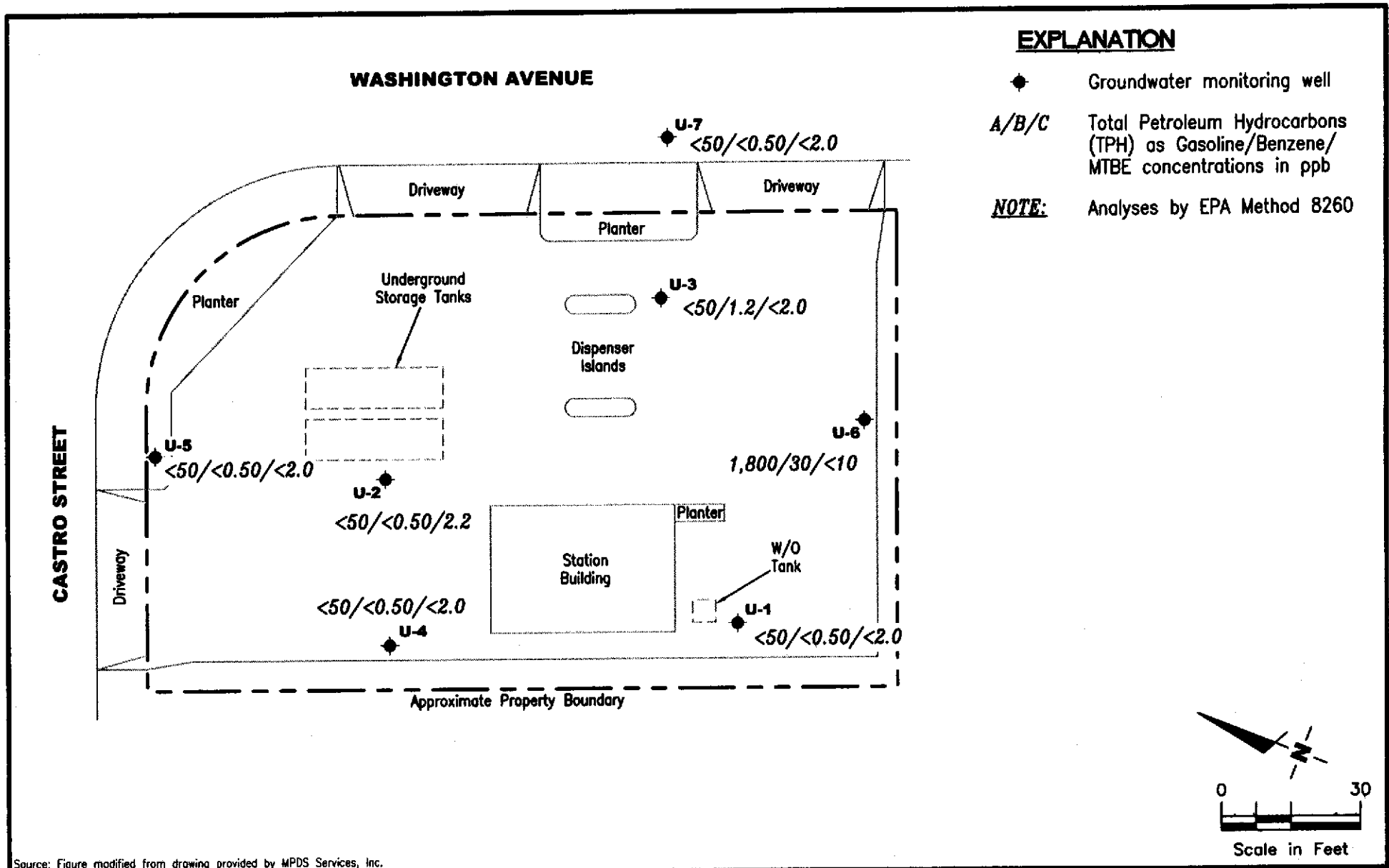
1

PROJECT NUMBER
 180107

REVIEWED BY

DATE
 March 18, 2003

REVISED DATE



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

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

CONCENTRATION MAP
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

FIGURE

2

PROJECT NUMBER
 180107

REVIEWED BY

DATE
 March 18, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft. bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1													
56.58	08/13/93 ¹	31.60	20.0-40.0	24.98	50 ²	310	0.84	ND	2.6	1.0	--	--	--
	09/07/93	31.60		24.98	--	--	--	--	--	--	--	--	--
56.10	12/16/93 ¹	33.19		22.91	130 ³	ND	ND	ND	ND	ND	--	--	--
	01/13/94	33.06		23.04	--	--	--	--	--	--	--	--	--
	02/09/94	32.70		23.40	--	--	--	--	--	--	--	--	--
	03/25/94 ¹	31.07		25.03	57 ³	58	0.63	0.79	ND	0.65	--	--	--
	05/18/94	31.76		24.34	--	--	--	--	--	--	--	--	--
	06/19/94 ¹	32.26		23.84	61 ³	51	ND	1.4	ND	2.7	--	ND	7.4
	07/27/94	33.07		23.03	--	--	--	--	--	--	--	--	--
	08/18/94	33.50		22.60	--	--	--	--	--	--	--	--	--
	09/15/94 ¹	33.93		22.17	83 ³	ND	0.50	0.85	ND	0.77	--	ND	9.5
	10/11/94	33.25		22.85	--	--	--	--	--	--	--	--	--
	11/08/94	34.05		22.05	--	--	--	--	--	--	--	--	--
	12/06/94 ¹	32.37		23.73	ND	ND	ND	ND	ND	ND	--	ND	5.8
	01/10/95	31.29		24.81	--	--	--	--	--	--	--	--	--
56.09	03/14/95	27.86		28.23	71 ³	380	20	ND	ND	10	--	--	--
	06/20/95	28.20		27.89	170 ³	500	50	ND	ND	4.4	--	--	--
	09/18/95	30.65		25.44	72.00	57	1.2	0.75	0.57	2.2	-- ⁶	--	--
	12/14/95	32.20		23.89	ND	ND	0.72	1.4	1.2	3.6	--	ND	3.8
	03/06/96	26.53		29.56	ND	96	4.5	ND	ND	3.7	ND	--	--
	06/04/96	27.43		28.66	170 ³	410	48	ND	3.4	7.9	ND	--	--
	09/06/96	30.25		25.84	ND	ND	ND	ND	ND	ND	ND	ND	43
	03/08/97	26.03		30.06	--	ND	ND	ND	ND	ND	ND	ND	4.5
	09/04/97	31.56		24.53	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/98	20.63		35.46	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98	27.82		28.27	--	ND	0.59	ND	ND	ND	3.1	ND	8.9
	03/02/99	26.83		29.26	--	ND	ND	ND	ND	ND	ND	ND	4.5
	09/07/99	28.03		28.06	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/00	25.50		30.59	--	ND	ND	ND	ND	ND	ND	ND	1.32
	09/11/00 ¹⁶	28.16		27.93	--	ND	ND	0.592	ND	ND	ND	ND ⁹	ND ⁹
	03/26/01 ¹⁷	27.02		29.07	--	ND	ND	ND	ND	ND	ND	ND	2.50
	09/04/01 ¹⁹	31.67		24.42	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	2.4

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1	03/18/02 ²¹	28.81	20.0-40.0	27.28	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50 ^{1R}	4.4 ^{1R}
(cont)	08/30/02 ^{19,23}	31.25		24.84	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	1.2
	03/18/03 ²³	29.10		26.99	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50 ^{1R}	2.6 ^{1R}
U-2													
55.77	08/13/93	30.87	20.0-40.0	24.90	--	1,400	ND	ND	ND	ND	--	--	--
	09/07/93	30.87		24.90	--	--	--	--	--	--	--	--	--
55.27	12/16/93	32.19		23.08	--	330	1.7	ND	11	8.5	--	--	--
	01/13/94	32.13		23.14	--	--	--	--	--	--	--	--	--
	02/09/94	33.50		21.77	--	--	--	--	--	--	--	--	--
	03/25/94	30.09		25.18	--	130	0.70	0.78	0.65	0.64	--	ND	11
(D)	03/25/94	--		--	--	--	--	--	--	--	--	ND	ND
	05/18/94	30.73		24.54	--	--	--	--	--	--	--	--	--
	06/19/94	31.31		23.96	--	180 ⁴	ND	ND	ND	0.86	--	ND	0.54
	07/27/94	32.12		23.15	--	--	--	--	--	--	--	--	--
	08/18/94	32.50		22.77	--	--	--	--	--	--	--	--	--
	09/15/94	33.00		22.27	--	1,000 ⁵	44	ND	ND	ND	--	ND	0.66
	10/11/94	32.35		22.92	--	--	--	--	--	--	--	--	--
	11/08/94	33.09		22.18	--	--	--	--	--	--	--	--	--
	12/06/94	31.44		23.83	--	250	19	ND	ND	ND	--	ND	ND
	01/10/95	30.25		25.02	--	--	--	--	--	--	--	--	--
55.29	03/14/95	26.36		28.93	--	89	ND	ND	ND	1.2	--	--	--
	06/20/95	26.74		28.55	--	ND	ND	0.58	ND	1.7	--	--	--
	09/18/95	29.65		25.64	--	ND	ND	ND	ND	0.85	-- ⁶	--	--
	12/14/95	31.10		24.19	--	ND	ND	0.89	ND	2.0	-- ⁷	ND	ND
	03/06/96	25.17		30.12	--	ND	ND	ND	ND	ND	80	--	--
	06/04/96	26.03		29.26	--	ND	ND	ND	ND	ND	110	--	--
	09/06/96	29.18		26.11	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.64		30.65	--	ND	ND	ND	ND	ND	42	--	--
	09/04/97	30.59		24.70	--	ND	ND	ND	ND	ND	46	--	--
	03/09/98	19.22		36.07	--	ND	ND	ND	ND	ND	4.4	--	--
	09/01/98	26.40		28.89	--	ND	ND	ND	ND	ND	25	--	--

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U-2 (cont)	03/02/99	25.48	20.0-40.0	29.81	--	ND	ND	ND	ND	ND	16	--	--
	09/07/99	26.51		28.78	--	ND	ND	ND	ND	ND	20	--	--
	03/09/00	23.95		31.34	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	26.75		28.54	--	ND	ND	0.635	ND	ND	ND	--	--
	03/26/01	25.64		29.65	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	30.47		24.82	--	<50	<0.50	0.69	<0.50	<0.50	<5.0	--	--
	03/18/02	27.29		28.00	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	08/30/02 ²³	30.06		25.23	--	<50	<0.50	<0.50	<0.50	<1.0	3.2	--	--
	03/18/03 ²³	27.71		27.58	--	<50	<0.50	<0.50	<0.50	<1.0	2.2	--	--
U-3 55.66 55.24 55.23	08/13/93	30.70	20.0-40.0	24.96	--	23,000	1,000	ND	1,700	1,600	--	--	--
	09/07/93	30.70		24.96	--	--	--	--	--	--	--	--	--
	12/16/93	32.08		23.16	--	15,000	570	ND	940	670	--	--	--
	01/13/94	31.98		23.26	--	--	--	--	--	--	--	--	--
	02/09/94	33.82		21.42	--	--	--	--	--	--	--	--	--
	03/25/94	30.03		25.21	--	18,000	560	40	1,000	770	--	ND	480
	05/18/94	30.66		24.58	--	--	--	--	--	--	--	--	--
	06/19/94	31.19		24.05	--	17,000	580	ND	1,300	90	--	ND	410
	07/27/94	31.98		23.26	--	--	--	--	--	--	--	--	--
	08/18/94	32.39		22.85	--	--	--	--	--	--	--	--	--
	09/15/94	32.84		22.40	--	12,000	370	ND	970	610	--	ND	420
	10/11/94	32.20		23.04	--	--	--	--	--	--	--	--	--
	11/08/94	33.01		22.23	--	--	--	--	--	--	--	--	--
	12/06/94	31.34		23.90	--	17,000	390	ND	990	560	--	ND	430
	01/10/95	30.23		25.01	--	--	--	--	--	--	--	--	--
	03/14/95	25.44		29.79	--	13,000	860	120	1,300	1,700	--	--	--
	06/20/95	26.70		28.53	--	9,800	590	ND	800	1,000	--	--	--
	09/18/95	29.55		25.68	--	9,800	600	ND	1,000	760	-- ⁶	--	--
	12/14/95	31.02		24.21	--	10,000	520	ND	920	630	-- ⁷	ND	240
03/06/96	25.25		29.98	--	19,000	1,400	ND	1,800	3,000	73	--	--	
06/04/96	26.00		29.23	--	8,800	510	ND	600	830	ND	--	--	

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
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U-3	09/06/96	29.06	20.0-40.0	26.17	--	15,000	360	20	540	450	ND	--	--
(cont)	03/08/97	24.65		30.58	--	3,500	310	ND	230	630	ND	ND	100
	09/04/97	30.44		24.79	--	700	27	ND	48	34	ND	ND	160
	03/09/98	19.20		36.03	--	410	22	1.2	ND ⁹	6.1	24	ND	4.4
	09/01/98	26.33		28.90	--	ND	ND	ND	ND	ND	6.1	ND	ND
	03/02/99	25.50		29.73	--	2,100	110	2.6	ND ⁹	240	39	ND	6.7
	09/07/99 ¹³	27.63		27.60	--	2,400 ¹²	67	ND ⁹	150	150	ND ⁹	ND	1.1
	03/09/00	24.05		31.18	--	3,250 ¹²	143	ND ⁹	59.0	326	ND ⁹	ND ⁹	ND ⁹
	09/11/00 ¹⁷	27.83		27.40	--	ND	ND	ND	ND	ND	ND	ND	1.17
	03/26/01 ¹⁷	25.75		29.48	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/01 ¹⁹	30.41		24.82	--	5,400 ¹⁵	110	<10	800	220	<100	<5.0	<5.0
	03/18/02 ²¹	27.35		27.88	--	<50	<0.50	<0.50	0.55	1.2	<5.0	<0.50 ¹⁸	<0.50 ¹⁸
	08/30/02 ^{19,23}	30.01		25.22	--	4,400	55	<2.5	610	140	<10	<0.50	<0.50
	03/18/03 ²³	27.69		27.54	--	<50	1.2	<0.50	7.9	4.3	<2.0	<0.50 ¹⁸	<0.50 ¹⁸
U-4													
55.39	03/14/95	26.52	25.0-40.0	28.87	--	490	3.2	2.1	0.79	1.2	--	ND	ND
	06/20/95	26.90		28.49	--	ND	ND	ND	ND	1.5	--	--	--
	09/18/95	29.79		25.60	--	ND	ND	ND	ND	ND	-- ⁶	--	--
	12/14/95	31.23		24.16	--	ND	ND	0.59	ND	0.79	-- ⁷	ND	ND
	03/06/96	25.30		30.09	--	ND	ND	ND	ND	0.62	50	--	--
	06/04/96	26.19		29.20	--	ND	ND	ND	ND	ND	290	--	--
	09/06/96	29.32		26.07	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.79		30.60	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	30.71		24.68	--	ND	ND	ND	ND	ND	18	--	--
	03/09/98	19.37		36.02	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	26.56		28.83	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	25.62		29.77	--	110	0.89	0.53	ND	0.79	4.9	--	--
	09/07/99	26.82		28.57	--	ND	ND	ND	ND	ND	3.0	--	--
	03/09/00	24.07		31.32	--	ND	ND	0.615	ND	1.05	ND	--	--
	09/11/00	26.48		28.91	--	ND	ND	0.686	ND	ND	ND	--	--
	03/26/01	25.69		29.70	--	ND	ND	ND	ND	ND	ND	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
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WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (ft.)	TPH-D (pph)	TPH-G (pph)	B (pph)	T (pph)	E (pph)	X (pph)	MTBE (pph)	1,2-DCB (pph)	1,2-DCA (pph)
U-4 (cont)	09/04/01	30.60	25.0-40.0	24.79	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	27.45		27.94	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	08/30/02 ²³	30.19		25.20	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--
	03/18/03 ²³	27.85		27.54	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--
U-5 54.18	03/14/95	25.20	25.0-40.0	28.98	--	ND	ND	ND	ND	1.2	--	ND	ND
	06/20/95	25.60		28.58	--	ND	ND	ND	ND	1.6	--	--	--
	09/18/95	28.55		25.63	--	ND	ND	ND	ND	0.66	--	--	--
	12/14/95	29.94		24.24	--	ND	ND	ND	ND	ND	--	ND	ND
	03/06/96	24.03		30.15	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	24.91		29.27	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.06		26.12	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	23.49		30.69	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	29.46		24.72	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/98	18.10		36.08	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	25.27		28.91	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	24.35		29.83	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	26.39		27.79	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	22.81		31.37	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	25.36		28.82	--	ND	ND	0.640	ND	ND	ND	--	--
	03/26/01	24.55		29.63	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	29.34		24.84	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	26.16		28.02	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	08/30/02 ²³	28.94		25.24	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--
	03/18/03 ²³	26.58		27.60	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--
U-6 55.36	03/14/95	26.94	25.0-40.0	28.42	--	14,000	170	36	790	1,500	--	ND	210
	06/20/95	27.15		28.21	--	8,500	170	11	950	1,300	--	--	--
	09/18/95	29.95		25.41	--	9,500	260	ND	1,400	1,800	-- ⁶	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-6	12/14/95	31.32	25.0-40.0	24.04	--	15,000	240	ND	1,400	1,700	-- ⁷	ND	370
(cont)	03/06/96	25.71		29.65	--	2,400	54	ND	170	250	ND	--	--
	06/04/96	26.52		28.84	--	4,600	83	ND	400	520	46	--	--
	09/06/96	29.41		25.95	--	12,000	180	6.4	690	600	95	--	--
	03/08/97	25.25		30.11	--	2,000	180	ND	96	290	ND	--	--
	09/04/97	30.75		24.61	--	680	17	ND	52	39	ND	--	--
	03/09/98	19.84		35.52	--	690	41	8.5	3.2	140	16	--	--
	09/01/98	INACCESSIBLE (PAVED OVER)			--	--	--	--	--	--	--	--	--
	03/02/99	25.95		29.41	--	3,900	240	ND ⁹	650	430	45	--	--
	09/07/99	28.19		27.17	--	320 ¹²	14	ND ⁹	5.2	ND ⁹	10	--	--
	03/09/00	24.64		30.72	--	4,980 ¹²	193	ND ⁹	520	365	ND ⁹	--	--
	09/11/00	28.35		27.01	--	538 ¹⁵	22.8	ND	13.8	3.11	ND	--	--
	10/13/00	29.67		25.69	--	--	--	--	--	--	--/ND ¹⁸	--	--
	03/26/01	26.88		28.48	--	16,400 ¹²	412	ND ⁹	2,010	1,010	ND ⁹	--	--
	09/04/01	30.81		24.55	--	8,000 ¹⁵	200	<25	1,100	250	<250	--	--
	03/18/02	27.87		27.49	--	3,900 ¹⁵	96	<10	590	210	<100	--	--
	08/30/02 ²¹	30.40		24.96	--	7,900	120	<5.0	1,000	91	<20	--	--
	03/18/03 ²³	28.19		27.17	--	1,800	30	<2.5	270	47	<10	--	--
U-7													
55.05	03/14/95	26.13	25.0-40.0	28.92	--	ND	ND	ND	ND	ND	--	ND	ND
	06/20/95	26.38		28.67	--	ND	ND	ND	ND	ND	--	--	--
	09/18/95	29.21		25.84	--	ND	ND	ND	ND	ND	--	--	--
	12/14/95	30.75		24.30	--	ND	ND	ND	ND	0.88	--	ND	ND
	03/06/96	25.10		29.95	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	25.67		29.38	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.75		26.30	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.33		30.72	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/97 ⁹	30.16		24.89	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/98	18.91		36.14	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98 ¹⁰	26.04		29.01	--	88	ND	ND	ND	ND	2.9	ND	ND
	03/02/99 ¹¹	25.30		29.75	--	ND	ND	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-7	09/07/99	27.27	25.0-40.0	27.78	--	ND	ND	ND	ND	ND	ND	ND	ND
(cont)	03/09/00 ¹⁴	23.76		31.29	--	ND	ND	ND	ND	1.09	ND	ND	ND
	09/11/00 ¹⁷	27.19		27.86	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/01 ¹⁷	25.61		29.44	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/01 ²⁰	30.10		24.95	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
	03/18/02 ²²	27.03		28.02	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50 ^{1R}	<0.50 ^{1R}
	08/30/02 ^{19,23}	29.69		25.36	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50	<0.50
	03/18/03 ^{23,24}	27.39		27.66	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	<0.50 ^{1R}	<0.50 ^{1R}
Trip Blank													
TB-LB	03/09/98	--	--	--	--	ND	ND	0.53	ND	ND	ND	--	--
	09/01/98	--	--	--	--	ND	ND	ND	ND	ND	5.0	--	--
	03/02/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	10/13/00	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	03/26/01	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
QA	08/30/02 ²³	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--
	03/18/03 ²³	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 9, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	1,2-DCA = 1,2-Dichloroethane
(ft.) = Feet	B = Benzene	(ppb) = Parts per billion
DTW = Depth to Water	T = Toluene	ND = Not Detected
S.I. = Screen Interval	E = Ethylbenzene	-- = Not Measured/Not Analyzed
(ft.bgs) = Feet Below Ground Surface	X = Xylenes	(D) = Duplicate
GWE = Groundwater Elevation	MTBE = Methyl tertiary butyl ether	QA = Quality Assurance/Trip Blank
TPH-D = Total Petroleum Hydrocarbons as Diesel	1,2-DCB = 1,2-Dichlorobenzene	

* TOC elevations were surveyed March 1995, based on Benchmark provided by City of San Leandro, City Engineers Office, Datum 1929, USGS adjusted. Prior to December 16, 1993, the DTW measurements were taken from the top of well covers.

- 1 Total Oil and Grease (TOG) was ND.
- 2 Not a typical diesel pattern; lower boiling hydrocarbons in the boiling range of stoddard calculated as diesel.
- 3 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 4 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- 5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.
- 8 Carbon tetrachloride was detected at a concentration of 1.3 ppb.
- 9 Detection limit raised. Refer to analytical reports.
- 10 Carbon tetrachloride was detected at a concentration of 2.0 ppb, and Chloroform was detected at a concentration of 0.60 ppb.
- 11 Carbon tetrachloride was detected at a concentration of 1.2 ppb.
- 12 Laboratory report indicates gasoline C6-C12.
- 13 Bromodichloromethane was detected at 1.4 ppb and Chloroform was detected at 31 ppb. All EPA Method 8010 reanalyzed by an alternate column or method to confirm the identification and/or concentration of these results.
- 14 Laboratory report indicates Carbon tetrachloride was detected at 0.801 ppb.
- 15 Laboratory report indicates weathered gasoline C6-C12.
- 16 All other Volatile Organic Compounds (VOCs) by EPA Method 8010 were ND with a raised detection limit, except for Bromadichloromethane was detected at 3.58 ppb and Chloroform was detected at 75.2 ppb.
- 17 All other VOCs by EPA Method 8010 were ND.
- 18 Analysis by EPA Method 8260.
- 19 All other VOCs by EPA Method 8021 were less than the reporting limit.
- 20 All other VOCs by EPA Method 8021 were less than the reporting limit, except for Carbon tetrachloride was detected at 0.60 ppb.
- 21 All other VOCs by EPA Method 8260 were less than the reporting limit.

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

EXPLANATIONS: (cont)

- ²² All other VOCs by EPA Method 8260 were less than the reporting limit, except for Carbon Tetrachloride was detected at 0.65 ppb and Chloroform at 1.5 ppb.
- ²³ TPH-G, BTEX and MTBE by EPA Method 8260.
- ²⁴ All other VOCs by EPA Method 8260 were less than the reporting limit, except for Trichloroethene was detected at 1.1 ppb.

Note: All EPA Method 8010/8021/8260 constituents were ND, except as indicated above.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #5430
 1935 Washington Avenue
 San Leandro, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-1	08/30/02	--	--	<2.0	--	--	--	--	--
	03/18/03	<500	<100	<2.0	<2.0	<2.0	<2.0	2.8	<2.0
U-2	08/30/02	<500	<100	3.2	<2.0	<2.0	<2.0	<2.0	<2.0
	03/18/03	<500	<100	2.2	<2.0	<2.0	<2.0	<2.0	<2.0
U-3	08/30/02	--	--	<10	--	--	--	--	--
	03/18/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
U-4	08/30/02	--	--	<2.0	--	--	--	--	--
	03/18/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
U-5	08/30/02	--	--	<2.0	--	--	--	--	--
	03/18/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
U-6	10/13/00	--	ND	ND	ND	ND	ND	ND	ND
	08/30/02	--	--	<20	--	--	--	--	--
	03/18/03	<2,500	<500	<10	<10	<10	<10	<10	<10
U-7	08/30/02	--	--	<2.0	--	--	--	--	--
	03/18/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

EXPLANATIONS:

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

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Varthes

Well ID: U-1 Date Monitored: 3/18/03 Well Condition: DN
 Well Diameter: 2 in.
 Total Depth: 39.60 ft.
 Depth to Water: 29.10 ft.
10.50 xVF 0.17 = 1.78 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

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

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

Start Time (purge): 1045 Weather Conditions: clear
 Sample Time/Date: 1100 13/18/03 Water Color: brn Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: silt
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1047</u>	<u>2</u>	<u>7.47</u>	<u>967</u>	<u>69.0</u>		
<u>1047</u>	<u>4</u>	<u>7.33</u>	<u>958</u>	<u>69.2</u>		
<u>1057</u>	<u>5.5</u>	<u>7.28</u>	<u>754</u>	<u>69.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-1</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 OXY'S(8260)</u>
<u>U-1</u>	<u>3 x vial</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>HVOC's (2010 list) by 2021 B</u>

COMMENTS: _____

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Vantres

Well ID: U-2 Date Monitored: 3/18/03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 39.38 ft.
 Depth to Water: 27.71 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

11.67 x VF 0.17 = 1.98 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: _____

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

Start Time (purge): 0945 Weather Conditions: clear
 Sample Time/Date: 1000 3/18/03 Water Color: brn. Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: slm (little)
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0947</u>	<u>2</u>	<u>7.60</u>	<u>904</u>	<u>68.0</u>		
<u>0949</u>	<u>4</u>	<u>7.46</u>	<u>890</u>	<u>68.1</u>		
<u>0951</u>	<u>6</u>	<u>7.41</u>	<u>881</u>	<u>68.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-2</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 OXY'S(8260)</u>
<u>U-2</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>Trace (80111) by 802113</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Vatten

Well ID: U-3 Date Monitored: 3/18/03 Well Condition: ok
 Well Diameter: 2 in.
 Total Depth: 38.52 ft.
 Depth to Water: 27.69 ft.
10.83 xVF 0.17 = 1.84 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

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

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

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

Start Time (purge): 1150 Weather Conditions: clear
 Sample Time/Date: 1205 13/18/03 Water Color: 500 Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: 557+
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1152</u>	<u>2</u>	<u>7.43</u>	<u>978</u>	<u>70.5</u>		
<u>1154</u>	<u>7</u>	<u>7.30</u>	<u>961</u>	<u>70.8</u>		
<u>1155</u>	<u>5.5</u>	<u>7.28</u>	<u>950</u>	<u>70.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-3</u>	<u>3 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 OXY'S(8260)</u>
<u>U-3</u>	<u>3xVOC</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>AVOC'S(81012) 4780418</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Ventura

Well ID: U-4 Date Monitored: 3/18/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 302.86 ft.

Depth to Water: 27.85 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

11.01 xVF 0.17 = 1.87 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: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: φ ft
 Visual Confirmation/Description: _____

Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0920 Weather Conditions: Clear
 Sample Time/Date: 0935 3/18/03 Water Color: brn. Odor: NS
 Purging Flow Rate: _____ gpm. Sediment Description: little silt
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0922</u>	<u>2</u>	<u>7.54</u>	<u>787</u>	<u>66.6</u>		
<u>0924</u>	<u>4</u>	<u>7.40</u>	<u>780</u>	<u>66.8</u>		
<u>0926</u>	<u>6</u>	<u>7.36</u>	<u>768</u>	<u>67.1</u>		

LABORATORY INFORMATION

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

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Vastha

Well ID: U-5 Date Monitored: 3/18/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 38.30 ft.

Depth to Water: 26.58 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

11.72 xVF 0.17 = 1.99 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: _____

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

Start Time (purge): 0850 Weather Conditions: ptly cldy
 Sample Time/Date: 0900 13/18/03 Water Color: brn. Odor: no
 Purging Flow Rate: 1 gpm. Sediment Description: S.H (GTL)
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0852</u>	<u>2</u>	<u>7.73</u>	<u>864</u>	<u>65.6</u>	_____	_____
<u>0854</u>	<u>4</u>	<u>7.60</u>	<u>847</u>	<u>66.2</u>	_____	_____
<u>0856</u>	<u>6</u>	<u>7.57</u>	<u>840</u>	<u>66.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-5</u>	<u>3</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/B OXY'S(8260)</u>
U-5	3 x vva	✓	✓	✓	11/20/03 (900 list) by 221B

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Vestris

Well ID: U-6 Date Monitored: 3/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 39.95 ft.
 Depth to Water: 28.19 ft.
11.76 xVF 0.17 = 1.99 x3 (case volume) = Estimated Purge Volume: 6 gal.

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

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

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

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

Start Time (purge): 1115 Weather Conditions: clear
 Sample Time/Date: 1130 3/18/03 Water Color: gray Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: sil (H2O)
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1117</u>	<u>2</u>	<u>7.31</u>	<u>1034</u>	<u>70.3</u>	_____	_____
<u>1119</u>	<u>4</u>	<u>7.20</u>	<u>1021</u>	<u>70.6</u>	_____	_____
<u>1121</u>	<u>6</u>	<u>7.16</u>	<u>1013</u>	<u>70.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-6</u>	<u>3</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/B OXY'S(8260)</u>
U-6	3 x vva	_____	_____	_____	Hvocs (20067) by 2021B
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#5430 Job Number: 180107
 Site Address: 1935 Washington Avenue Event Date: 3/18/03 (inclusive)
 City: San Leandro, CA Sampler: Vartkas

Well ID: U-7 Date Monitored: 3/18/03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 37.80 ft.
 Depth to Water: 27.39 ft.
10.41 xVF 0.17 = 1.76 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1015 Weather Conditions: clear
 Sample Time/Date: 1030 3/18/03 Water Color: brn. Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: slit
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1017</u>	<u>2</u>	<u>7.51</u>	<u>764</u>	<u>68.5</u>	_____	_____
<u>1019</u>	<u>1</u>	<u>7.40</u>	<u>751</u>	<u>68.8</u>	_____	_____
<u>1021</u>	<u>5.5</u>	<u>7.35</u>	<u>746</u>	<u>69.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-7</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/B OXY'S(8260)</u>
<u>U-7</u>	<u>3 x vov</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>HVOC'S (2010 list) 4/80218</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

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

2003-03-0389

72727
Gettler-Ryan Inc., Chain-of-Custo

P.5
9256003002
st10nsite
Apr 07 03 10:29P
FILE NAME: P:\ENERGY-CHEMISTRY\STD-COC.DWG | Layout: Table Model

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

Facility Number #5430
Facility Address 1935 WASHINGTON AVE., SAN LEANDRO, CA
Global ID T0600101785 Project 180107.80
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 Vestres Tashjian

SAMPLE ID	Number of Containers Matrix	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 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
DA	1	✓	Hel	3/18/03					X									
U-1	6	✓	✓	1100					X	X					X			
U-2	3	✓	✓	1000					X	X								
U-3	6	✓	✓	1205					X	X					X			
U-4	3	✓	✓	0935					X	X								
U-5	3	✓	✓	0910					X	X								
U-6	3	✓	✓	1130					X	X								
U-7	6	✓	✓	1030					X	X					X			

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

Relinquished By (Signature) <i>[Signature]</i>	Organization G.R	Date/Time 3/18/03 1310	Received By (Signature) <i>[Signature]</i>	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>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <i>[Signature]</i>		Date/Time 3-19-03	Iced Y/N 1325	

Gettler Ryan

April 07, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180107.80

Project: Tosco #5430

Site: 1935 Washington Ave.
San Leandro, CA

RECEIVED
APR 10 2003

Dear Ms. Harding,

Attached is our report for your samples received on 03/19/2003 13:25

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 05/03/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher
Project Manager

Severn Trent Laboratories, Inc.

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

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

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	03/18/2003	Water	1
U-1	03/18/2003 11:00	Water	2
U-2	03/18/2003 10:00	Water	3
U-3	03/18/2003 12:05	Water	4
U-4	03/18/2003 09:35	Water	5
U-5	03/18/2003 09:10	Water	6
U-6	03/18/2003 11:30	Water	7
U-7	03/18/2003 10:30	Water	8

Severn Trent Laboratories, Inc.

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

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

04/02/2003 14:01

Page 1 of 16

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

 Site: 1935 Washington Ave.
San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2003-03-0389 - 1
Sampled:	03/18/2003	Extracted:	3/30/2003 12:40
Matrix:	Water	QC Batch#:	2003/03/30-01.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/30/2003 12:40	
Benzene	ND	0.50	ug/L	1.00	03/30/2003 12:40	
Toluene	ND	0.50	ug/L	1.00	03/30/2003 12:40	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2003 12:40	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2003 12:40	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/30/2003 12:40	
Surrogates(s)						
1,2-Dichloroethane-d4	83.6	76-114	%	1.00	03/30/2003 12:40	
Toluene-d8	94.9	88-110	%	1.00	03/30/2003 12:40	

Severn Trent Laboratories, Inc.

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

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

04/02/2003 14:01

Page 2 of 16

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	U-1	Lab ID:	2003-03-0389 - 2
Sampled:	03/18/2003 11:00	Extracted:	3/30/2003 18:06
Matrix:	Water	QC Batch#:	2003/03/30-01.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/30/2003 18:06	
Benzene	ND	0.50	ug/L	1.00	03/30/2003 18:06	
Toluene	ND	0.50	ug/L	1.00	03/30/2003 18:06	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2003 18:06	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2003 18:06	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/30/2003 18:06	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/30/2003 18:06	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/30/2003 18:06	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/30/2003 18:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/30/2003 18:06	
1,2-DCA	2.8	2.0	ug/L	1.00	03/30/2003 18:06	
EDB	ND	2.0	ug/L	1.00	03/30/2003 18:06	
Ethanol	ND	500	ug/L	1.00	03/30/2003 18:06	
Surrogates(s)						
1,2-Dichloroethane-d4	95.9	76-114	%	1.00	03/30/2003 18:06	
Toluene-d8	93.8	88-110	%	1.00	03/30/2003 18:06	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.

San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-2	Lab ID: 2003-03-0389 - 3
Sampled: 03/18/2003 10:00	Extracted: 3/30/2003 18:29
Matrix: Water	QC Batch#: 2003/03/30-01.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/30/2003 18:29	
Benzene	ND	0.50	ug/L	1.00	03/30/2003 18:29	
Toluene	ND	0.50	ug/L	1.00	03/30/2003 18:29	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2003 18:29	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2003 18:29	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/30/2003 18:29	
Methyl tert-butyl ether (MTBE)	2.2	2.0	ug/L	1.00	03/30/2003 18:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/30/2003 18:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/30/2003 18:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/30/2003 18:29	
1,2-DCA	ND	2.0	ug/L	1.00	03/30/2003 18:29	
EDB	ND	2.0	ug/L	1.00	03/30/2003 18:29	
Ethanol	ND	500	ug/L	1.00	03/30/2003 18:29	
Surrogates(s)						
1,2-Dichloroethane-d4	103.1	76-114	%	1.00	03/30/2003 18:29	
Toluene-d8	92.6	88-110	%	1.00	03/30/2003 18:29	

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: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.

San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	U-4	Lab ID:	2003-03-0389 - 5
Sampled:	03/18/2003 09:35	Extracted:	3/30/2003 19:16
Matrix:	Water	QC Batch#:	2003/03/30-01.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/30/2003 19:16	
Benzene	ND	0.50	ug/L	1.00	03/30/2003 19:16	
Toluene	ND	0.50	ug/L	1.00	03/30/2003 19:16	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2003 19:16	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2003 19:16	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/30/2003 19:16	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/30/2003 19:16	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/30/2003 19:16	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/30/2003 19:16	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/30/2003 19:16	
1,2-DCA	ND	2.0	ug/L	1.00	03/30/2003 19:16	
EDB	ND	2.0	ug/L	1.00	03/30/2003 19:16	
Ethanol	ND	500	ug/L	1.00	03/30/2003 19:16	
Surrogates(s)						
1,2-Dichloroethane-d4	98.5	76-114	%	1.00	03/30/2003 19:16	
Toluene-d8	95.1	88-110	%	1.00	03/30/2003 19:16	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-5	Lab ID: 2003-03-0389 - 6
Sampled: 03/18/2003 09:10	Extracted: 3/30/2003 19:39
Matrix: Water	QC Batch#: 2003/03/30-01.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/30/2003 19:39	
Benzene	ND	0.50	ug/L	1.00	03/30/2003 19:39	
Toluene	ND	0.50	ug/L	1.00	03/30/2003 19:39	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2003 19:39	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2003 19:39	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/30/2003 19:39	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/30/2003 19:39	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/30/2003 19:39	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/30/2003 19:39	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/30/2003 19:39	
1,2-DCA	ND	2.0	ug/L	1.00	03/30/2003 19:39	
EDB	ND	2.0	ug/L	1.00	03/30/2003 19:39	
Ethanol	ND	500	ug/L	1.00	03/30/2003 19:39	
Surrogates(s)						
1,2-Dichloroethane-d4	97.6	76-114	%	1.00	03/30/2003 19:39	
Toluene-d8	94.0	88-110	%	1.00	03/30/2003 19:39	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn.: Deanna Harding

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

Project: 180107.80
Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: U-7	Lab ID: 2003-03-0389 - 8
Sampled: 03/18/2003 10:30	Extracted: 3/31/2003 17:54
Matrix: Water	QC Batch#: 2003/03/31-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/31/2003 17:54	
Benzene	ND	0.50	ug/L	1.00	03/31/2003 17:54	
Toluene	ND	0.50	ug/L	1.00	03/31/2003 17:54	
Ethylbenzene	ND	0.50	ug/L	1.00	03/31/2003 17:54	
Total xylenes	ND	1.0	ug/L	1.00	03/31/2003 17:54	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/31/2003 17:54	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/31/2003 17:54	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/31/2003 17:54	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/31/2003 17:54	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/31/2003 17:54	
1,2-DCA	ND	2.0	ug/L	1.00	03/31/2003 17:54	
EDB	ND	2.0	ug/L	1.00	03/31/2003 17:54	
Ethanol	ND	500	ug/L	1.00	03/31/2003 17:54	
Surrogates(s)						
1,2-Dichloroethane-d4	107.0	76-114	%	1.00	03/31/2003 17:54	
Toluene-d8	99.1	88-110	%	1.00	03/31/2003 17:54	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/30-01.39-012

Water

Test(s): 8260FAB

QC Batch # 2003/03/30-01.39

Date Extracted: 03/30/2003 11:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/30/2003 11:20	
Benzene	ND	0.5	ug/L	03/30/2003 11:20	
Toluene	ND	0.5	ug/L	03/30/2003 11:20	
Ethylbenzene	ND	0.5	ug/L	03/30/2003 11:20	
Total xylenes	ND	1.0	ug/L	03/30/2003 11:20	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/30/2003 11:20	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/30/2003 11:20	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/30/2003 11:20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/30/2003 11:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/30/2003 11:20	
1,2-DCA	ND	2.0	ug/L	03/30/2003 11:20	
EDB	ND	2.0	ug/L	03/30/2003 11:20	
Ethanol	ND	500	ug/L	03/30/2003 11:20	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	76-114	%	03/30/2003 11:20	
Toluene-d8	91.6	88-110	%	03/30/2003 11:20	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.

San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/31-01.62-004

Water

Test(s): 8260FAB

QC Batch # 2003/03/31-01.62

Date Extracted: 03/31/2003 09:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/31/2003 09:15	
Benzene	ND	0.5	ug/L	03/31/2003 09:15	
Toluene	ND	0.5	ug/L	03/31/2003 09:15	
Ethylbenzene	ND	0.5	ug/L	03/31/2003 09:15	
Total xylenes	ND	1.0	ug/L	03/31/2003 09:15	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/31/2003 09:15	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/31/2003 09:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/31/2003 09:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/31/2003 09:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/31/2003 09:15	
1,2-DCA	ND	2.0	ug/L	03/31/2003 09:15	
EDB	ND	2.0	ug/L	03/31/2003 09:15	
Ethanol	ND	500	ug/L	03/31/2003 09:15	
Surrogates(s)					
1,2-Dichloroethane-d4	98.2	76-114	%	03/31/2003 09:15	
Toluene-d8	94.2	88-110	%	03/31/2003 09:15	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/30-01.39

LCS 2003/03/30-01.39-003

Extracted: 03/30/2003

Analyzed: 03/30/2003 10:28

LCSD 2003/03/30-01.39-004

Extracted: 03/30/2003

Analyzed: 03/30/2003 10:56

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	25.6	26.3	25.0	102.4	105.2	2.7	69-129	20		
Toluene	25.0	25.4	25.0	100.0	101.6	1.6	70-130	20		
Methyl tert-butyl ether (MTBE)	26.8	24.8	25.0	107.2	99.2	7.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	435	415	500	87.0	83.0		76-114			
Toluene-d8	463	465	500	92.6	93.0		88-110			

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Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.

San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/03/31-01.62

LCS 2003/03/31-01.62-001

Extracted: 03/31/2003

Analyzed: 03/31/2003 08:32

LCSD 2003/03/31-01.62-002

Extracted: 03/31/2003

Analyzed: 03/31/2003 08:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	31.4	30.6	25.0	125.6	122.4	2.6	65-165	20		
Benzene	25.8	27.0	25.0	103.2	108.0	4.5	69-129	20		
Toluene	26.3	26.7	25.0	105.2	106.8	1.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	509	487	500	101.8	97.4		76-114	0		
Toluene-d8	486	474	500	97.2	94.8		88-110	0		

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180107.80
Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/30-01.39

MW-1 >> MS

Lab ID: 2003-03-0378 - 002

MS: 2003/03/30-01.39-010

Extracted: 03/30/2003

Analyzed: 03/30/2003 13:27

Dilution: 1.00

MSD: 2003/03/30-01.39-011

Extracted: 03/30/2003

Analyzed: 03/30/2003 13:51

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	25.2	27.0	ND	25.0	100.8	108.0	6.9	66-129	20		
Toluene	24.5	20.3	ND	25.0	98.0	81.2	18.7	70-130	20		
Methyl tert-butyl ether	25.5	28.2	ND	25.0	102.0	112.8	10.1	65-165	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	417	464		500	83.5	92.7		76-114			
Toluene-d8	459	456		500	91.9	91.2		88-110			

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Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180107.80
Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/31-01.62

S-1 >> MS

Lab ID: 2003-03-0411 - 001

MS: 2003/03/31-01.62-048

Extracted: 03/31/2003

Analyzed: 03/31/2003 16:48

Dilution: 1.00

MSD: 2003/03/31-01.62-049

Extracted: 03/31/2003

Analyzed: 03/31/2003 17:10

Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	30.8	29.4	0.520	25.0	121.1	115.5	4.7	65-165	20		
Benzene	24.2	27.5	ND	25.0	96.8	110.0	12.8	69-129	20		
Toluene	25.0	26.1	ND	25.0	100.0	104.4	4.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	516	498		500	103.2	99.6		76-114			
Toluene-d8	498	474		500	99.5	94.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Legend and Notes

Analysis Flag

o

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

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.

San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
U-1	03/18/2003 11:00	Water	2
U-3	03/18/2003 12:05	Water	4
U-7	03/18/2003 10:30	Water	8

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

 Site: 1935 Washington Ave.
San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	U-1	Lab ID:	2003-03-0389 - 2
Sampled:	03/18/2003 11:00	Extracted:	3/30/2003 02:56
Matrix:	Water	QC Batch#:	2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	03/30/2003 02:56	
Vinyl chloride	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Chloroethane	ND	1.0	ug/L	1.00	03/30/2003 02:56	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/30/2003 02:56	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Methylene chloride	ND	5.0	ug/L	1.00	03/30/2003 02:56	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Chloroform	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,2-Dichloroethane	2.6	0.50	ug/L	1.00	03/30/2003 02:56	
Trichloroethene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	03/30/2003 02:56	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Chlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Bromoform	ND	2.0	ug/L	1.00	03/30/2003 02:56	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 02:56	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/30/2003 02:56	

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04/01/2003 16:02

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: U-1	Lab ID: 2003-03-0389 - 2
Sampled: 03/18/2003 11:00	Extracted: 3/30/2003 02:56
Matrix: Water	QC Batch#: 2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chloromethane	ND	1.0	ug/L	1.00	03/30/2003 02:56	
Bromomethane	ND	1.0	ug/L	1.00	03/30/2003 02:56	
Surrogates(s)						
4-Bromofluorobenzene	94.3	86-115	%	1.00	03/30/2003 02:56	
1,2-Dichloroethane-d4	105.2	76-114	%	1.00	03/30/2003 02:56	
Toluene-d8	92.0	88-110	%	1.00	03/30/2003 02:56	

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

 Site: 1935 Washington Ave.
San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	U-3	Lab ID:	2003-03-0389 - 4
Sampled:	03/18/2003 12:05	Extracted:	3/30/2003 03:23
Matrix:	Water	QC Batch#:	2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	03/30/2003 03:23	
Vinyl chloride	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Chloroethane	ND	1.0	ug/L	1.00	03/30/2003 03:23	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/30/2003 03:23	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Methylene chloride	ND	5.0	ug/L	1.00	03/30/2003 03:23	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Chloroform	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Trichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	03/30/2003 03:23	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Chlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Bromoform	ND	2.0	ug/L	1.00	03/30/2003 03:23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:23	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/30/2003 03:23	

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04/01/2003 16:02

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan
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Phone: (925) 551-7444 Fax: (925) 551-7899
Project: 180107.80
Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: U-3	Lab ID: 2003-03-0389 - 4
Sampled: 03/18/2003 12:05	Extracted: 3/30/2003 03:23
Matrix: Water	QC Batch#: 2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chloromethane	ND	1.0	ug/L	1.00	03/30/2003 03:23	
Bromomethane	ND	1.0	ug/L	1.00	03/30/2003 03:23	
Surrogates(s)						
4-Bromofluorobenzene	94.0	86-115	%	1.00	03/30/2003 03:23	
1,2-Dichloroethane-d4	108.3	76-114	%	1.00	03/30/2003 03:23	
Toluene-d8	91.1	88-110	%	1.00	03/30/2003 03:23	

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

 Site: 1935 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: U-7	Lab ID: 2003-03-0389 - 8
Sampled: 03/18/2003 10:30	Extracted: 3/30/2003 03:50
Matrix: Water	QC Batch#: 2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	03/30/2003 03:50	
Vinyl chloride	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Chloroethane	ND	1.0	ug/L	1.00	03/30/2003 03:50	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/30/2003 03:50	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Methylene chloride	ND	5.0	ug/L	1.00	03/30/2003 03:50	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Chloroform	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Trichloroethene	1.1	0.50	ug/L	1.00	03/30/2003 03:50	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	03/30/2003 03:50	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Chlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Bromoform	ND	2.0	ug/L	1.00	03/30/2003 03:50	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2003 03:50	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/30/2003 03:50	

Severn Trent Laboratories, Inc.

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

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

04/01/2003 18:02

Halogenated Volatile Organic Compounds by 8021B/8260B

Gettler Ryan

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Sampled: 03/18/2003 10:30	Extracted: 3/30/2003 03:50
Matrix: Water	QC Batch#: 2003/03/29-02.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chloromethane	ND	1.0	ug/L	1.00	03/30/2003 03:50	
Bromomethane	ND	1.0	ug/L	1.00	03/30/2003 03:50	
Surrogates(s)						
4-Bromofluorobenzene	93.2	86-115	%	1.00	03/30/2003 03:50	
1,2-Dichloroethane-d4	104.1	76-114	%	1.00	03/30/2003 03:50	
Toluene-d8	93.7	88-110	%	1.00	03/30/2003 03:50	

Halogenated Volatile Organic Compounds by 8021B/8260B

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Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/29-02.09-024

Water

Test(s): 8260B

QC Batch # 2003/03/29-02.09

Date Extracted: 03/29/2003 23:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	0.5	ug/L	03/29/2003 23:01	
Bromoform	ND	0.5	ug/L	03/29/2003 23:01	
Bromomethane	ND	1.0	ug/L	03/29/2003 23:01	
Carbon tetrachloride	ND	0.5	ug/L	03/29/2003 23:01	
Chlorobenzene	ND	0.5	ug/L	03/29/2003 23:01	
Chloroethane	ND	1.0	ug/L	03/29/2003 23:01	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/29/2003 23:01	
Chloroform	ND	1.0	ug/L	03/29/2003 23:01	
Chloromethane	ND	1.0	ug/L	03/29/2003 23:01	
Dibromochloromethane	ND	0.5	ug/L	03/29/2003 23:01	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/29/2003 23:01	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/29/2003 23:01	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/29/2003 23:01	
Dichlorodifluoromethane	ND	0.5	ug/L	03/29/2003 23:01	
1,1-Dichloroethane	ND	0.5	ug/L	03/29/2003 23:01	
1,2-Dichloroethane	ND	0.5	ug/L	03/29/2003 23:01	
1,1-Dichloroethene	ND	0.5	ug/L	03/29/2003 23:01	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/29/2003 23:01	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/29/2003 23:01	
1,2-Dichloropropane	ND	0.5	ug/L	03/29/2003 23:01	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/29/2003 23:01	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/29/2003 23:01	
Methylene chloride	ND	5.0	ug/L	03/29/2003 23:01	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/29/2003 23:01	
Tetrachloroethene	ND	0.5	ug/L	03/29/2003 23:01	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/29/2003 23:01	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/29/2003 23:01	
Trichloroethene	ND	0.5	ug/L	03/29/2003 23:01	

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04/01/2003 18:02

Page 8 of 11

Halogenated Volatile Organic Compounds by 8021B/8260B

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Tosco #5430

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San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/29-02.09-024

Water

Test(s): 8260B

QC Batch # 2003/03/29-02.09

Date Extracted: 03/29/2003 23:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	03/29/2003 23:01	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/29/2003 23:01	
Vinyl chloride	ND	0.5	ug/L	03/29/2003 23:01	
Surrogates(s)					
4-Bromofluorobenzene	92.0	86-115	%	03/29/2003 23:01	
1,2-Dichloroethane-d4	99.0	76-114	%	03/29/2003 23:01	
Toluene-d8	91.4	88-110	%	03/29/2003 23:01	

Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 180107.80

Tosco #5430

Received: 03/19/2003 13:25

Site: 1935 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/03/29-02.09

LCS 2003/03/29-02.09-022

Extracted: 03/29/2003

Analyzed: 03/29/2003 22:01

LCSD 2003/03/29-02.09-023

Extracted: 03/29/2003

Analyzed: 03/29/2003 22:34

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Chlorobenzene	19.5	18.4	20.0	97.5	92.0	5.8	61-121	20		
1,1-Dichloroethene	18.6	19.0	20.0	93.0	95.0	2.1	65-125	20		
Trichloroethene	17.0	17.2	20.0	85.0	86.0	1.2	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	473	482	500	94.6	96.4		86-115			
1,2-Dichloroethane-d4	478	479	500	95.6	95.8		76-114			
Toluene-d8	473	455	500	94.6	91.0		88-110			

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San Leandro, CA

Alameda County
MAY 14 2003
Environmental Health

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/29-02.09

MW-1 >> MS

Lab ID: 2003-03-0476 - 001

MS: 2003/03/29-02.09-037

Extracted: 03/30/2003

Analyzed: 03/30/2003 05:10

Dilution: 1.00

MSD: 2003/03/29-02.09-038

Extracted: 03/30/2003

Analyzed: 03/30/2003 05:36

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Chlorobenzene	20.0	19.0	ND	20.0	100.0	95.0	5.1	61-121	20		
1,1-Dichloroethene	21.2	19.8	ND	20.0	106.0	99.0	6.8	65-125	20		
Trichloroethene	70.8	69.4	54.4	20.0	82.0	75.0	8.9	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	454	462		500	90.8	92.3		86-115			
1,2-Dichloroethane-d4	541	545		500	108.2	109.1		76-114			
Toluene-d8	465	473		500	93.0	94.5		88-110			