

RO. 967



76 Broadway
Sacramento, California 95818

closed

May 9, 2003

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, California 95118

15199 Washington Av
San Leandro

Re: **Report Transmittal**

Dear Sir or Madam:

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

If you have any questions or need additional information, please call me at (916) 558-7604.

Sincerely,

Liz Sewell

Liz Sewell, RG
Site Manager
Risk Management & Remediation

Attachment

Tosco(BP) SS#11106 *EC*
15199 Washington Avenue
San Leandro, California

Alameda County
MAY 13 2003
Environmental Health



GETTLER-RYAN INC.

TRANSMITTAL

April 24, 2003

G-R #180310

TO: Ms. Liz Sewell
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

CC: Mr. Forrest McFarland
Secor International Inc.
2301 Leghorn Street
Mountain View, CA 94043

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

RE: **Tosco (BP) Service Station
#11106
15199 Washington Avenue
San Leandro, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	April 18, 2003	Groundwater Monitoring and Sampling Report First Quarter - Events of March 11, 2003, and March 14, 2003

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **May 8, 2003**, at which time the final 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
Ms. Tiffany Treece, REA, City of San Leandro, Environmental Services Division, Civic Center, 835 East 14th Street,
San Leandro, CA 94577

Enclosures

trans/11106-LS



GETTLER-RYAN INC.

April 18, 2003
G-R Job #180310

Ms. Liz Sewell
ConocoPhillips
76 Broadway Avenue
Sacramento, California 95818

**RE: First Quarter Events of March 11, 2003
and March 14, 2003**
Groundwater Monitoring & Sampling Report
Tosco (BP) Service Station #11106
15199 Washington Avenue
San Leandro, California

Dear Ms. Sewell:

This report documents the well development and the most recent groundwater monitoring and sampling events 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 and Dissolved Oxygen Concentrations 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

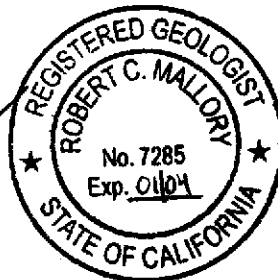
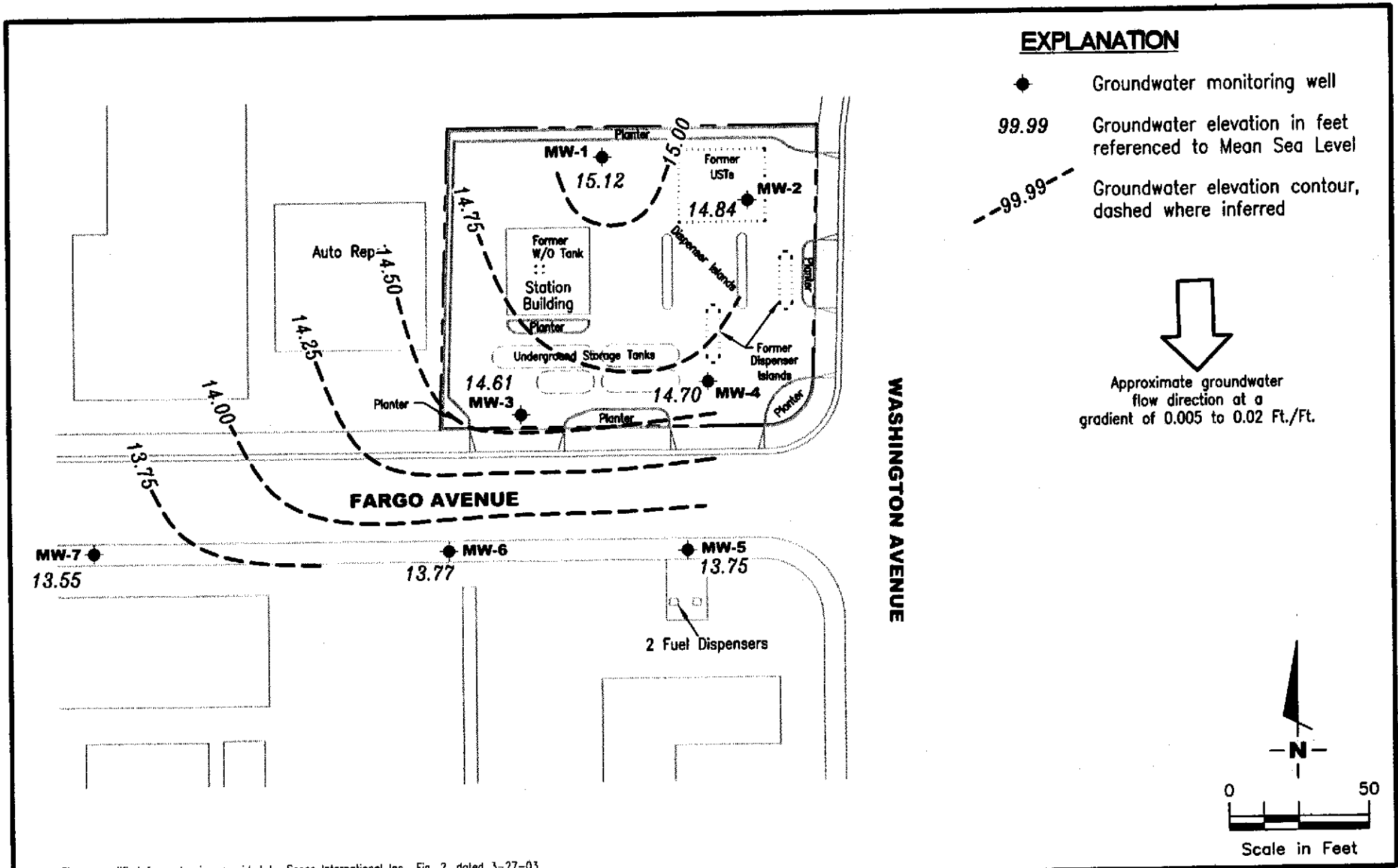


Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Dissolved Oxygen Concentrations
Table 3: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets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



Source: Figure modified from drawing provided by Secor International Inc., Fig. 2, dated 3-27-03

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

POTENTIOMETRIC MAP
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

PROJECT NUMBER
 180310

REVIEWED BY

DATE
 March 14, 2003

REVISED DATE

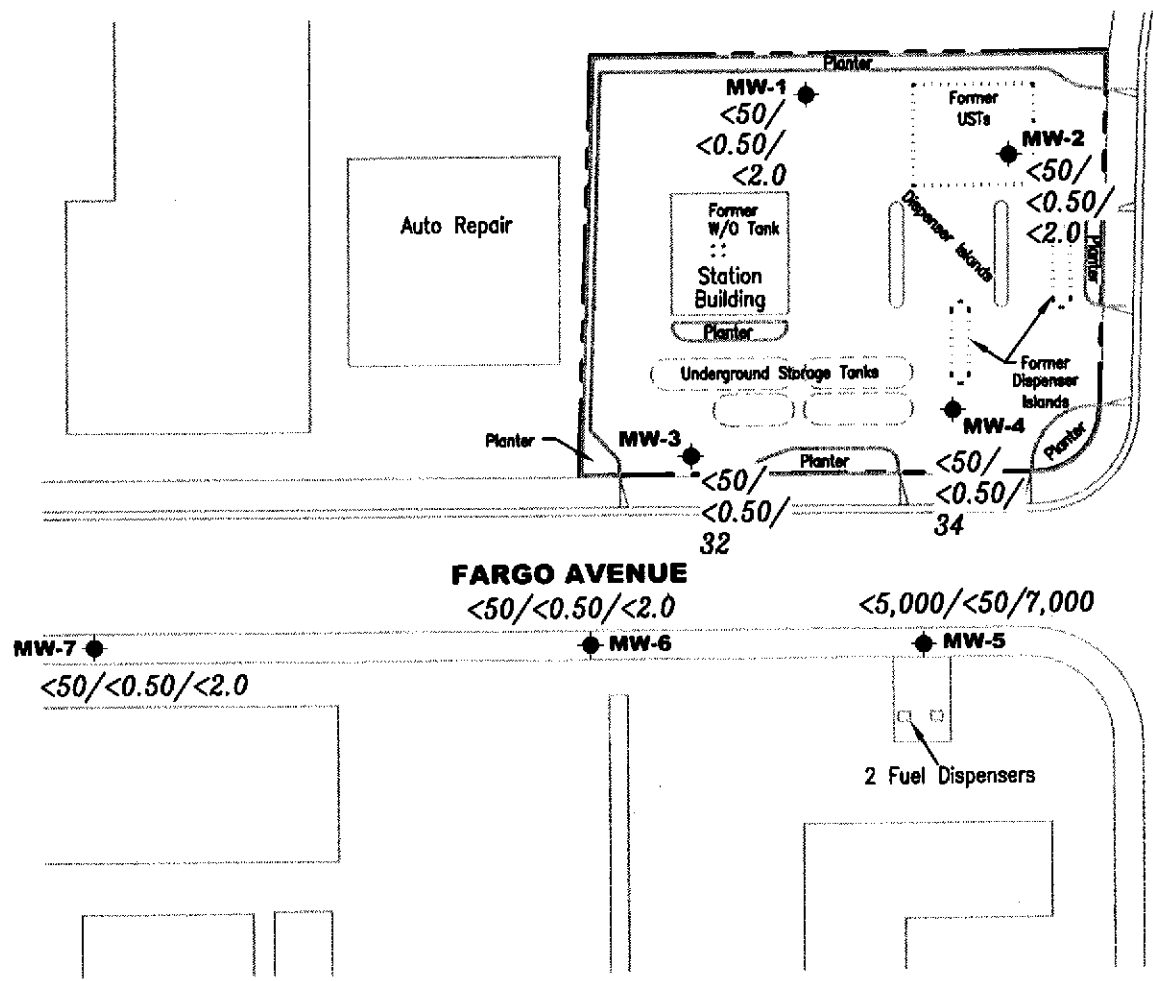
FILE NAME: P:\ENVIRO\TOSCO\11106\003-11106.DWG | Layout Tab: Pot1

FIGURE

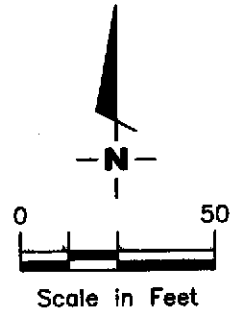
1

EXPLANATION

- ◆ Groundwater monitoring well
- A/B/C Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/MTBE concentrations in ppb
- NOTE: Analyses by EPA Method 8260



WASHINGTON AVENUE



Source: Figure modified from drawing provided by Secor International Inc., Fig. 2, dated 3-27-03

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 Dublin, CA 94568 (925) 551-7555

CONCENTRATION MAP
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

FIGURE
2

PROJECT NUMBER 180310	REVIEWED BY	DATE March 14, 2003	REVISED DATE
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Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 22.08	11/04/92	7.33	14.75	<50	<0.5	<0.5	<0.5	<0.5	--
	04/07/94	7.23	14.85	<50	<0.5	<0.5	<0.5	<0.5	--
	07/27/94	7.71	14.37	<50	<0.5	<0.5	<0.5	<0.5	--
	10/14/94	7.69	14.39	<50	<0.5	<0.5	<0.5	<0.5	--
	01/24/95	5.81	16.27	<50	<0.5	<0.5	<0.5	<1	--
	04/14/95	6.74	15.34	<50	<0.50	<0.50	<0.50	<1.0	--
	07/06/95	7.23	14.85	<50	<0.50	<0.50	<0.50	<1.0	--
	10/04/95	7.44	14.64	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	(D) 10/04/95	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	02/06/96	5.47	16.61	--	--	--	--	--	--
	04/10/96	6.95	15.13	<50	<1	<1	<1	<1	<1
	06/26/96	6.03	16.05	--	--	--	--	--	--
	10/24/96	7.62	14.46	<50	<0.5	<1.0	<1.0	<1.0	<10
	02/24/97	7.10	14.98	--	--	--	--	--	--
	05/29/97	7.33	14.75	60	<0.5	<1.0	<1.0	<1.0	<10
	07/16/97	7.93	14.15	<50	<0.5	<1.0	<1.0	<1.0	<10
	08/22/97	7.26	14.82	--	--	--	--	--	--
	11/07/97	7.48	14.60	--	--	--	--	--	--
	01/12/98	5.11	16.97	<50	<0.5	<1.0	<1.0	<1.0	<10
	05/13/98	5.73	16.35	--	--	--	--	--	--
07/22/98	6.02	16.06	80	<0.5	<1.0	<1.0	<1.0	<10	
03/11/03 ²	6.91	15.17	--	--	--	--	--	--	
03/14/03 ³	6.96	15.12	<50	<0.50	<0.50	<0.50	<1.0	<2.0	
MW-2 21.85	11/04/92	7.11	14.74	100	<0.5	<0.5	<0.5	<0.5	--
	04/07/94	7.03	14.82	78	<0.5	<0.5	<0.5	2.6	--
	07/27/94	7.44	14.41	94	<0.5	<0.5	<0.5	<0.5	--
	10/14/94	7.44	14.41	130	<0.5	<0.5	<0.5	<0.5	--
	01/24/95	5.37	16.48	<50	<0.5	<0.5	<0.5	<1	--
	04/14/95	6.67	15.18	<50	<0.50	<0.50	<0.50	<1.0	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	07/06/95	6.94	14.91	<50	<0.50	<0.50	<0.50	<1.0	--
(cont)	10/04/95	7.21	14.64	<50	<0.50	<0.50	<0.50	<1.0	11
	02/06/96	5.71	16.14	--	--	--	--	--	--
	04/10/96	6.80	15.05	<50	<0.5	<1	<1	<1	52
	06/26/96	5.90	15.95	--	--	--	--	--	--
	10/24/96	7.38	14.47	<50	<0.5	<1.0	<1.0	<1.0	<10
	02/24/97	6.87	14.98	--	--	--	--	--	--
	05/29/97	7.07	14.78	80	<0.5	<1.0	<1.0	<1.0	92
	07/16/97	7.71	14.14	50	1.9	4.8	1.4	5.3	<10
	08/22/97	6.98	14.87	--	--	--	--	--	--
	11/07/97	7.39	14.46	--	--	--	--	--	--
	01/12/98	4.97	16.88	<50	<0.5	<1.0	<1.0	<1.0	26
	05/13/98	5.51	16.34	--	--	--	--	--	--
	07/22/98	5.86	15.99	110	<0.5	<1.0	<1.0	<1.0	<10
	03/11/03 ²	6.97	14.88	--	--	--	--	--	--
	03/14/03 ³	7.01	14.84	<50	<0.50	<0.50	<0.50	<1.0	<2.0
 MW-3									
19.63	11/04/92	5.03	14.60	1,300	<0.5	<0.5	<0.5	<0.5	--
	04/07/94	5.04	14.59	6,600	90	22	64	610	--
	07/27/94	5.35	14.28	2,000	19	1.2	27	49	--
(D)	07/27/94	--		2,100	16	24	28	73	--
	10/14/94	5.33	14.30	3,400	61	4.3	<0.5	0.7	--
(D)	10/14/94	--		3,300	62	5.8	1.2	5.7	--
	01/24/95	4.17	15.46	<50	<0.5	<0.5	<0.5	<1	--
(D)	01/24/95	--		<50	<0.5	<0.5	<0.5	<1	--
	04/14/95	4.65	14.98	3,000	<5.0	<5.0	<5.0	<10	--
(D)	04/14/95	--		3,200	<5.0	<5.0	<5.0	<10	--
	07/06/95	4.84	14.79	490	<1.0	<1.0	<1.0	<2.0	--
(D)	07/06/95	--		590	<1.0	<1.0	<1.0	<2.0	--
	10/04/95	5.10	14.53	380	<2.5	<2.5	<2.5	<5.0	1,400
	02/06/96	4.95	14.68	2,000	14	<5	<5	<5	23,000

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (BP) Service Station #11106
15199 Washington Avenue
San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	(D) 02/06/96	--		2,400	<2.5	<5	<5	<5	21,000
(cont)	04/10/96	5.80	13.83	1,900	<25	<50	<50	<50	25,000
	(D) 04/10/96	--		1,100	<25	<50	<50	<50	22,000
	06/26/96	4.94	14.69	950	<0.5	<0.5	<0.5	<0.5	1,300
	(D) 06/26/96	--		980	<0.5	<0.5	<0.5	<0.5	1,400
	10/24/96	5.20	14.43	2,400	30	<50	<50	<50	9,400
	(D) 10/24/96	--		2,100	33	<50	<50	<50	9,400
	02/24/97	4.70	14.93	83,000	110	<100	<100	<100	110,000
	(D) 02/24/97	--		40,000	100	<25	<25	<25	110,000
	05/29/97	4.92	14.71	66,000	<2.5	<5.0	<5.0	<5.0	50,000
	(D) 05/29/97	--		56,000	190	<50	<50	<50	57,000
	07/16/97	5.55	14.08	24,000	<2.5	<5.0	<5.0	<5.0	26,000
	(D) 07/16/97	--		23,000	<50	<100	<100	<100	28,000
	08/22/97	4.87	14.76	420	<2.5	<5.0	<5.0	<5.0	9,400
	(D) 08/22/97	--		350	<2.5	<5.0	<5.0	<5.0	8,300
	11/07/97	4.87	14.76	420	<2.5	<5.0	<5.0	<5.0	9,400
	11/18/97 ¹	5.90	13.73	14,000	<0.5	<1	<1	<1	13,000
	12/09/97 ¹	4.05	15.58	41,000	<5	<10	<10	<10	37,000
	01/12/98	3.71	15.92	7,800	<2.5	<5.0	<5.0	<5.0	7,400
	(D) 01/12/98	--		7,800	<0.5	<1.0	<1.0	<1.0	7,300
	05/13/98	4.34	15.29	350	<0.5	<1.0	<1.0	<1.0	500
	(D) 05/13/98	--		430	<0.5	<1.0	<1.0	<1.0	480
	07/22/98	4.66	14.97	6,500	<0.5	<1.0	<1.0	<1.0	3,800
	(D) 07/22/98	--	--	6,500	<0.5	<1.0	<1.0	<1.0	3,900
	03/11/03 ²	4.99	14.64	--	--	--	--	--	--
	03/14/03 ³	5.02	14.61	<50	<0.50	<0.50	<0.50	<1.0	32
MW-4									
20.91	11/04/92	5.21	15.70	100	1.9	<0.5	<0.5	<0.5	--
	(D) 11/04/92	--		91	1.8	<0.5	<0.5	<0.5	--
	04/07/94	6.20	14.71	<50	<0.5	<0.5	<0.5	<0.5	--
	(D) 04/07/94	--		81	0.5	1.0	2.6	7.4	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4 (cont)	07/27/94	6.52	14.39	<50	<0.5	<0.5	<0.5	<0.5	--
	10/14/94	6.50	14.41	<50	<0.5	<0.5	<0.5	<0.5	--
	01/24/95	6.11	14.80	<50	<0.5	<0.5	<0.5	<1	--
	04/14/95	5.82	15.09	<50	<0.50	<0.50	<0.50	<1.0	--
	07/06/95	5.99	14.92	<50	<0.50	<0.50	<0.50	<1.0	--
	10/04/95	6.30	14.61	<50	<0.50	<0.50	<0.50	<1.0	66
	02/06/96	5.15	15.76	--	--	--	--	--	--
	04/10/96	5.95	14.96	<50	<0.5	<1	<1	<1	70
	06/26/96	5.07	15.84	--	--	--	--	--	--
	10/24/96	6.44	14.47	<50	<0.5	<1.0	<1.0	<1.0	23
	02/24/97	5.87	15.04	--	--	--	--	--	--
	05/29/97	8.12	12.79	<50	<0.5	<1.0	<1.0	<1.0	65
	07/16/97	6.77	14.14	90	2.9	8.7	2.4	10.2	<10
	08/22/97	8.03	12.88	--	--	--	--	--	--
	11/07/97	6.70	14.21	--	--	--	--	--	--
	01/12/98	4.12	16.79	<50	<0.5	<1.0	<1.0	<1.0	<10
	05/13/98	4.71	16.20	--	--	--	--	--	--
	07/22/98	5.04	15.87	80	<0.5	<1.0	<1.0	<1.0	<10
	03/11/03 ²	6.19	14.72	--	--	--	--	--	--
	03/14/03 ³	6.21	14.70	<50	<0.50	<0.50	<0.50	<1.0	34
MW-5 19.17	03/11/03 ²	5.44	13.73	--	--	--	--	--	--
	03/14/03 ³	5.42	13.75	<5,000	<50	<50	<50	<100	7,000
MW-6 18.23	03/11/03 ²	4.12	14.11	--	--	--	--	--	--
	03/14/03 ³	4.46	13.77	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7									
18.04	03/11/03 ²	4.57	13.47	--	--	--	--	--	--
	03/14/03 ³	4.49	13.55	<50	<0.50	<0.50	<0.50	<1.0	<2.0
QC-2									
	11/04/92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/07/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/27/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/14/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/24/95	--	--	<50	<0.5	<0.5	<0.5	<1	--
	04/14/95	--	--	<50	<0.50	<0.50	<0.50	<1.0	--
	07/06/95	--	--	<50	<0.50	<0.50	<0.50	<1.0	--
	10/04/95	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	02/06/96	--	--	<50	<0.5	<1	<1	<1	<10
	04/10/96	--	--	<50	<0.5	<1	<1	<1	<10
	06/26/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<10
TRIP BLANK QA	03/14/03 ³	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (BP) Service Station #11106
15199 Washington Avenue
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 11, 2003, were compiled from reports prepared by Alisto Engineers, Inc.

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

(D) = Duplicate

QA = Quality Assurance/Trip Blank

* TOC elevations surveyed relative to an elevation of 18.409 feet above msl.

¹ Samples collected after overpurgings.

² Well development performed.

³ TPH-G, BTEX, and MTBE by EPA Method 8260.

Table 2
Dissolved Oxygen Concentrations
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID	DATE	PRE-PURGE (mg/L)	POST-PURGE (mg/L)
MW-1	04/07/94	7.1	--
	07/27/94	2.3	--
	10/14/94	3.0	--
	01/24/95	5.5	--
	04/14/95	8.2	--
	07/06/95	5.1	--
	10/04/95	2.9	--
	04/10/96	3.9	--
	10/24/96	2.5	--
	05/29/97	2.4	--
	07/16/97	2.0	--
	01/12/98	2.7	--
	07/22/98	3.8	--
	03/11/03	0.6	0.4
03/14/03	1.8	1.6	
MW-2	04/07/94	3.8	--
	07/27/94	1.8	--
	10/14/94	2.4	--
	04/14/95	8.4	--
	07/06/95	5.0	--
	10/04/95	4.0	--
	04/10/96	7.5	--
	10/24/96	2.2	--
	05/29/97	2.2	--
	07/16/97	2.5	--
	01/12/98	2.6	--
	07/22/98	4.0	--
	03/11/03	1.8	1.2
	03/14/03	2.4	1.8
MW-3	04/07/94	3.1	--
	07/27/94	1.7	--
	07/27/94	--	--
	10/14/94	2.4	--
	04/14/95	8.1	--
	07/06/95	4.0	--
	10/04/95	1.4	--
	02/06/96	1.4	--
	04/10/96	7.4	--
	06/26/96	1.2	--
	10/24/96	2.0	--
	02/24/97	2.3	--
	05/29/97	2.4	--
	07/16/97	2.5	--

Table 2
Dissolved Oxygen Concentrations
 Tosco (BP) Service Station #11106
 15199 Washington Avenue
 San Leandro, California

WELL ID	DATE	PRE-PURGE (mg/L)	POST-PURGE (mg/L)
MW-3	08/22/97	2.3	--
(cont)	11/07/97	2.3	--
	01/12/98	3.2	--
	05/13/98	4.1	--
	07/22/98	4.4	--
	03/11/03	0.8	0.9
	03/14/03	1.9	1.3
 MW-4	4/7/1994	5.0	--
	7/27/1994	2.0	--
	10/14/1994	2.8	--
	4/14/1995	8.3	--
	7/6/1995	5.1	--
	10/4/1995	3.2	--
	4/10/1996	7.5	--
	10/24/1996	3.9	--
	5/29/1997	2.4	--
	7/16/1997	2.2	--
	1/12/1998	3.2	--
	7/22/1998	3.6	--
	03/11/03	1.1	1.4
	03/14/03	2.6	2.8
 MW-5	03/11/03	0.4	0.6
	03/14/03	2.6	1.9
 MW-6	03/11/03	0.7	0.9
	03/14/03	1.6	1.4
 MW-7	03/11/03	0.9	0.6
	03/14/03	2.0	1.5

EXPLANATIONS:

Dissolved oxygen concentrations prior to March 11, 2003, were provided by Alisto Engineers, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

Table 3
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (BP) Service Station #11106
 15199 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)
MW-1	03/14/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2	03/14/03	<500	<100	<2.0	2.3	<2.0	<2.0	<2.0	<2.0
MW-3	03/14/03	<500	<100	32	2.2	<2.0	<2.0	<2.0	<2.0
MW-4	03/14/03	<500	<100	34	<2.0	<2.0	<2.0	<2.0	<2.0
MW-5	03/14/03	<50,000	<10,000	7,000	<200	<200	<200	<200	<200
MW-6	03/14/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-7	03/14/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = Ethylene dibromide
 (ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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 well development, each well is monitored for the presence of free-phase hydrocarbons and the depth to water is recorded. Wells are then developed by alternately surging the well with the bailer, then purging the well with a pump to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

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 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.

***TOSCO (BP) SERVICE STATION #11106
SAN LEANDRO, CA***

***WELL DEVELOPMENT EVENT
Of March 11, 2003***

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-1
 Well Diameter: 2 in.
 Initial Total Depth: 17.52 ft.
 Final Total Depth: 19.59 ft.
 Depth to Water: 6.91 ft.

Well Condition: OK See Comments Below

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

12.61 xVF 0.17 = 2.14 ¹⁰ (case volume) = Estimated Purge Volume: 21.4 gal.

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

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

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

Start Time (purge): 1440
 Sample Time/Date: 1
 Purging Flow Rate: 2 gpm.
 Did well de-water? NO

Weather Conditions: Sunny & 65°F
 Water Color: Light Brown Odor: none
 Sediment Description: silty sand
 If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1441	2	7.40	947	19.5	0.6	
1442	4	7.26	956	18.8		
1443	6	7.43	951	19.3		
1444	8	7.46	949	19.4		
1445	10	7.45	947	19.4		
1447	14	7.46	948	19.5		
1458	16	7.46	947	19.5		
1459	18	7.48	952	19.3		
1500	20	7.45	950	19.5		
1501	22	7.44	951	19.5	0.4	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voc viol	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	Sample			3/14/03	

COMMENTS: Since I found 2.5 gallons with ES.
hair prior to start pump.
2" Below TOC well casing cracked.
 Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-2
 Well Diameter: 2 in.
 Initial Total Depth: 12.99 ft.
 Final Total Depth: 13.02 ft.
 Depth to Water: 6.97 ft.

Well Condition: OK

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

6.02 x VF 0.17 = 1.02 x 3 (case volume) = Estimated Purge Volume: 10.2 gal.

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

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

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

Start Time (purge): 1400 Weather Conditions: Sunny
 Sample Time/Date: 1 Water Color: gray cloudy Odor: None
 Purging Flow Rate: NA gpm. Sediment Description: silty
 Did well de-water? NO If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1400	1	7.20	946	18.5	1.9	
1405	2	7.22	949	18.7		
1408	3	7.23	955	18.3		
1412	4	7.21	948	18.4		
1416	5	7.23	955	18.0		
1420	6	7.21	950	18.1		
1422	7	7.20	948	18.0		
1428	8	7.21	948	18.0		
1434	9	7.23	940	18.2	1.3	
1436	10	7.22	952	18.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	Sample	OK	3/14/03		

COMMENTS: Sample & purge 2-4 gallons. Start on sampling

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-3
 Well Diameter: 2 in.
 Initial Total Depth: 14.29 ft.
 Final Total Depth: 14.28 ft.
 Depth to Water: 4.99 ft.

Well Condition: Poor, See Comments Below

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

9.30 x VF 0.17 = 1.6 x 10 (case volume) = Estimated Purge Volume: 16 gal.

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

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

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

Start Time (purge): 1255 Weather Conditions: Sunny, ~ 70°f
 Sample Time/Date: 1 Water Color: Dark Gray / Clear Odor: Yes, Petro Chemical
 Purging Flow Rate: ~2.5 gpm Sediment Description: S. HV Sand at first, then none
 Did well de-water? NO If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1256	2.5	6.95	921	17.5	0.8	
1257	5	7.08	910	17.5		
1258	7	7.06	908	17.8		
1259	9.5	7.06	907	17.8		
1300	13	7.08	901	17.5		
1301	14.5	7.06	902	17.5		
1302	17	7.06	898	17.6		
1303	18.5	7.06	877	17.5		
1304	20.5	7.05	894	17.6		
1305	23.0	7.04	899	17.9	0.9	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	Sample on		3/14/03		

COMMENTS: No cover on well box. Top was covered with soil to top of concrete slab in drive way.
Surge & Purge @ 5 gallons with SS bailer prior to start pumps.
 Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Ave. Event Date: 3/11/03
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-4 Well Condition: OK
 Well Diameter: 2 in.
 Initial Total Depth: 15.04 ft.
 Final Total Depth: 15.04 ft.
 Depth to Water: 6.19 ft.
 $8.85 \times VF \ 0.17 = 1.50 \times 10$ (case volume) = Estimated Purge Volume: 15 gal.

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

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

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

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

Start Time (purge): 1335 Weather Conditions: Sunny ~ 70°F
 Sample Time/Date: 1 Water Color: Gray Odor: none
 Purging Flow Rate: 1-2 gpm. Sediment Description: fine sand
 Did well de-water? yes If yes, Time: 1340 Volume: 28 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1336	2	7.40	992	21.3	1.1	
1338	4	7.32	925	22.2		
1338	6	7.36	914	20.3		
1339	8	7.42	922	20.3		
* 1516	10	7.28	948	20.8		
1517	12	7.37	925	20.7		
1518	14	7.30	903	20.6		
1519	16	7.30	922	20.3		
1520	18	7.44	921	19.9		
1521	20	7.52	911	19.8	1.4	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voc vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	Sample		3/14/03		

COMMENTS: Surge & Purge @ 5 Gallons, then start Pump.
* 1518 return to well, wbc 0.22, begin pumping again

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-5
 Well Diameter: 2 in.
 Initial Total Depth: 22.49 ft.
 Final Total Depth: 22.49 ft.
 Depth to Water: 5.44 ft.
17.05 xVF 0.17 = 2.9 ¹⁰

Well Condition: New

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

(case volume) = Estimated Purge Volume: 29 gal.

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

Sampling Equipment:
 Disposable Bailor
 Pressure Bailor _____
 Discrete Bailor _____
 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): 9:50 Weather Conditions: overcast
 Sample Time/Date: 1 Water Color: Gray / Light Gray Odor: None
 Purging Flow Rate: ~2 gpm. Sediment Description: silty
 Did well de-water? NO If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
952	4	7.28	1172	19.4	0.4 (935)	
954	8	7.25	1152	19.6		
956	12	7.29	1154	19.7		
958	16	7.25	1145	19.4		
1002	20	7.35	1155	19.9		
1004	24	7.38	1148	19.8		
1006	26	7.36	1140	20.0		
1006	28	7.37	1177	19.8		
1008	30	7.37	1164	19.8		
1010	32	7.35	1142	19.3	0.6 (1015)	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(B260)
Sample on 3/11/03					

COMMENTS: Purge a Surge well with 2" SS. bailor before starting pump. ~ 7 gallons removed with SS. bailor
* color at beginning of purge / color after 10 volume removed
 Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-6
 Well Diameter: 2 in.
 Initial Total Depth: 17.28 ft.
 Final Total Depth: 20.87 ft.
 Depth to Water: 4.12 ft.
13.16 xVF 0.7 = 2.23 x8 (case volume) = Estimated Purge Volume: 22.3 gal.

Well Condition: New

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

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

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

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

Start Time (purge): 1050
 Sample Time/Date: 1
 Purging Flow Rate: 2 gpm.
 Did well de-water? No

Weather Conditions: Sunny ~60°F
 Water Color: * Dark Grey / Light Odor: None / slight
 Sediment Description: Silty Fine Sand
 If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C/°F)	D.O. (mg/L)	ORP (mV)
1051	2	7.70	771	19.0	0.7	
1052	4	7.72	764	18.9		
1053	6	7.63	799	18.1		
1054	8	7.38	865	20.2		
1056	12	7.53	809	19.5		
1057	14	7.49	801	19.4		
1058	16	7.23	774	20.4		
1100	20	7.24	802	20.3		
1101	22	7.45	794	19.7		
1102	24	7.32	835	20.2	0.9	

LABORATORY INFORMATION

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

COMMENTS: Surge & Purge ~ 5 Gallons before starting Pump.
* Color Before 10 Volumes Removed / Color after 10 Volumes Removed
Good Recovery of water in well

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

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Ave.
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/11/03
 Sampler: Andrew Smith

Well ID: MW-7
 Well Diameter: 2 in.
 Initial Total Depth: 22.46 ft.
 Final Total Depth: 22.48 ft.
 Depth to Water: 4.57 ft.
17.89 xVF 0.17 = 3.04 ¹⁰ (case volume) = Estimated Purge Volume: 30 gal.

Well Condition: New

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

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer
 Stack Pump
 Suction Pump _____
 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): 1145 Weather Conditions: Sunny ~65°
 Sample Time/Date: 1 Water Color: Dark Gray / Light Brown Odor: Slight
 Purging Flow Rate: 25 gpm. Sediment Description: Silty Sand
 Did well de-water? No If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1147	5	7.47	1266	18.8	0.9	
1148	7.5	7.49	1261	18.0		
1149	10	7.51	1267	17.6		
1150	12.5	7.52	1237	17.5		
1151	15	7.51	1244	17.4		
1152	20	7.51	1230	17.3		
1154	22.5	7.51	1182	17.7		
1155	25	7.53	1184	17.6		
1156	27.5	7.46	1219	18.0		
1258	32.5	7.47	1251	18.1	0.6	

LABORATORY INFORMATION

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

COMMENTS: Surge & Purge 25 gallons. Aeration starting with 2" of SS bailer

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

***TOSCO (BP) SERVICE STATION #11106
SAN LEANDRO, CA***

***QUARTERLY MONITORING & SAMPLING EVENT
Of March 14, 2003***



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Avenue Event Date: 3/14/03 (inclusive)
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-1 Date Monitored: 3/14/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.59 ft.
 Depth to Water: 6.96 ft.
 Volume Factor (VF): 12.63 x VF 0.17 = 2.1 x3 (case volume) = Estimated Purge Volume: 6.3 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): 1215 Weather Conditions: overcast
 Sample Time/Date: 1230 3/14/03 Water Color: Light Brown Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: Sily
 Did well de-water? No If yes, Time: 1 Volume: 1 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>1216</u>	<u>2</u>	<u>7.44</u>	<u>945</u>	<u>20.1</u>	<u>1.8</u>	
<u>1217</u>	<u>4</u>	<u>7.41</u>	<u>950</u>	<u>20.1</u>		
<u>1218</u>	<u>6</u>	<u>7.42</u>	<u>951</u>	<u>20.4</u>	<u>1.6</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: G-5 well Box

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Avenue Event Date: 3/14/03 (inclusive)
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-2 Date Monitored: 3/14/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 13.07 ft.
 Depth to Water: 7.01 ft.
6.06 xVF 0.17 = 1.03 x3 (case volume) = Estimated Purge Volume: 3.09 gal.

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

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

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

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

Start Time (purge): 1140 Weather Conditions: Overcast
 Sample Time/Date: 1150 13/14/03 Water Color: Cloudy Odor: None
 Purging Flow Rate: NA gpm. Sediment Description: None
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1143</u>	<u>1</u>	<u>7.20</u>	<u>948</u>	<u>19.1</u>	<u>2.4</u>	
<u>1144</u>	<u>2</u>	<u>7.16</u>	<u>949</u>	<u>19.6</u>		
<u>1146</u>	<u>3</u>	<u>7.17</u>	<u>947</u>	<u>18.2</u>	<u>1.8</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Avenue
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/14/03 (inclusive)
 Sampler: Andrew Smith

Well ID: MW-3
 Well Diameter: 2 in.
 Total Depth: 14.36 ft.
 Depth to Water: 5.02 ft.
9.34

Date Monitored: 3/14/03 Well Condition: OK

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

$9.34 \times VF \ 0.17 = 1.59 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 4.77 \text{ gal.}$

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1050 Weather Conditions: Overcast
 Sample Time/Date: 1105 12/14/03 Water Color: Light Gray Odor: None
 Purging Flow Rate: NA gpm. Sediment Description: Silty Sand
 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>1052</u>	<u>1.5</u>	<u>6.95</u>	<u>936</u>	<u>19.4</u>	<u>1.9</u>	
<u>1054</u>	<u>3.0</u>	<u>6.98</u>	<u>925</u>	<u>18.8</u>		
<u>1056</u>	<u>5.0</u>	<u>7.00</u>	<u>912</u>	<u>18.0</u>	<u>1.3</u>	

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106
 Site Address: 15199 Washington Avenue
 City: San Leandro, CA

Job Number: 180310
 Event Date: 3/14/03 (inclusive)
 Sampler: Andrew Smith

Well ID: MW-4 Date Monitored: 3/14/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 15.04 ft.
 Depth to Water: 6.21 ft.
8.83 xVF 0.17 = 1.5 x3 (case volume) = Estimated Purge Volume: 4.5 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): 1115 Weather Conditions: raining
 Sample Time/Date: 1130 / 3/14/03 Water Color: Clear Odor: None
 Purging Flow Rate: NA gpm. Sediment Description: None
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1117</u>	<u>1.5</u>	<u>7.30</u>	<u>934</u>	<u>20.3</u>	<u>2.6</u>	
<u>1119</u>	<u>3.0</u>	<u>7.29</u>	<u>908</u>	<u>19.7</u>		
<u>1122</u>	<u>6.0</u>	<u>7.28</u>	<u>917</u>	<u>19.8</u>	<u>2.8</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Avenue Event Date: 3/14/03 (inclusive)
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-5 Date Monitored: 3/14/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 22.49 ft.
 Depth to Water: 5.42 ft.
17.07 x VF 0.17 = 2.9 x3 (case volume) = Estimated Purge Volume: 8.7 gal.

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

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

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

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

Start Time (purge): 1014 Weather Conditions: overcast / raining
 Sample Time/Date: 1030 3/14/03 Water Color: Light Brown Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: silty
 Did well de-water? No If yes, Time: 6 Volume: 1 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1015</u>	<u>2</u>	<u>7.21</u>	<u>1144</u>	<u>19.3</u>	<u>2.6</u>	
<u>1017</u>	<u>6</u>	<u>7.31</u>	<u>1164</u>	<u>19.8</u>		
<u>1020</u>	<u>12</u>	<u>7.15</u>	<u>1128</u>	<u>19.7</u>	<u>1.9</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(B260)</u>

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Avenue Event Date: 3/14/03 (inclusive)
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-6 Date Monitored: 3/14/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.87 ft.
 Depth to Water: 4.46 ft.
16.41 xVF 0.17 = 2.8 x3 (case volume) = Estimated Purge Volume: 8.4 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): 955 Weather Conditions: overcast
 Sample Time/Date: 1005 / 3/14/03 Water Color: Dark Brown Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: Silty Sand
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (O/F)	D.O. (mg/L)	ORP (mV)
<u>956</u>	<u>2</u>	<u>7.47</u>	<u>584</u>	<u>19.0</u>	<u>1.6</u>	
<u>958</u>	<u>6</u>	<u>7.47</u>	<u>6.09</u>	<u>19.2</u>		
<u>100</u>	<u>10</u>	<u>7.83</u>	<u>705</u>	<u>19.6</u>	<u>1.4</u>	

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #11106 Job Number: 180310
 Site Address: 15199 Washington Avenue Event Date: 3/14/03 (inclusive)
 City: San Leandro, CA Sampler: Andrew Smith

Well ID: MW-7 Date Monitored: 3/14/03 Well Condition: GK
 Well Diameter: 2 in.
 Total Depth: 22.48 ft.
 Depth to Water: 4.49 ft.
17.79 xVF 0.17 = 3.06 x3 (case volume) = Estimated Purge Volume: 9.2 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): 920 Weather Conditions: overcast
 Sample Time/Date: 930 / 3/14/03 Water Color: Light Brown Odor: None
 Purging Flow Rate: 2 gpm. Sediment Description: silt
 Did well de-water? no If yes, Time: NA Volume: NA gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (CF)	D.O. (mg/L)	ORP (mV)
<u>922</u>	<u>4</u>	<u>7.37</u>	<u>1303</u>	<u>17.1</u>	<u>2.0</u>	
<u>924</u>	<u>8</u>	<u>7.42</u>	<u>1252</u>	<u>17.5</u>		
<u>926</u>	<u>12</u>	<u>7.47</u>	<u>1203</u>	<u>17.7</u>	<u>1.5</u>	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/B Oxy's(B260)</u>

COMMENTS: _____

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

2003-03-0336 72644 Gettler-Ryan Inc., Chain-of-Custody

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

Facility Number #11106
Facility Address 15199 Washington Ave., San Leandro, CA
Global ID T0600100913 Project 180310.80
Client Contact Liz Sewell
Phone 916-558-7604

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

SAMPLE ID	Number of Containers Matrix	S = Soil W = Water C = Charcoal	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/ETEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/ETEX/MTBE EPA 8260	8 OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 3320	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
MW-1	6	W	HCL	3/14/03 / 1230					X	X								
MW-2	6			3/14/03 / 1150					X	X								
MW-3	6			3/14/03 / 1105					X	X								
MW-4	6			3/14/03 / 1120					X	X								
MW-5	6			3/14/03 / 1020					X	X								
MW-6	6			3/14/03 / 1005					X	X								
MW-7	6	↓	↓	3/14/03 / 930					X	X								
GA	2	W	HCL	3/14/03 / 700					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>Andrew Smith</i>	Organization GRI	Date/Time 3/14/03 1400	Received By (Signature) <i>[Signature]</i>	Organization STL SF	Date/Time	Lead Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <i>[Signature]</i>	Organization STL SF	Date/Time 3-17-03 1533	Received By (Signature)	Organization	Date/Time	Lead Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <i>D. Harwood</i>	Organization STL SF	Date/Time 3/17/03 @	Lead Y/N 1533	

Apr 01 03 10:01a ST10nSite 9256003002 P.2

Gettler Ryan

March 31, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180310.80

Project: Tosco # 11106

Site: 15199 Washington Ave.
San Leandro, CA

Dear Ms. Harding,

Attached is our report for your samples received on 03/17/2003 15:33


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 05/01/2003 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: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/14/2003 12:30	Water	1
MW-2	03/14/2003 11:50	Water	2
MW-3	03/14/2003 11:05	Water	3
MW-4	03/14/2003 11:30	Water	4
MW-5	03/14/2003 10:30	Water	5
MW-6	03/14/2003 10:05	Water	6
MW-7	03/14/2003 09:30	Water	7
QA	03/14/2003 07:00	Water	8

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: 180310.80
 Tosco # 11106

Received: 03/17/2003 15:33

 Site: 15199 Washington Ave.
 San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-1	Lab ID:	2003-03-0336 - 1
Sampled:	03/14/2003 12:30	Extracted:	3/26/2003 16:05
Matrix:	Water	QC Batch#:	2003/03/26-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2003 16:05	
Benzene	ND	0.50	ug/L	1.00	03/26/2003 16:05	
Toluene	ND	0.50	ug/L	1.00	03/26/2003 16:05	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2003 16:05	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2003 16:05	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/26/2003 16:05	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/26/2003 16:05	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/26/2003 16:05	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/26/2003 16:05	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/26/2003 16:05	
1,2-DCA	ND	2.0	ug/L	1.00	03/26/2003 16:05	
EDB	ND	2.0	ug/L	1.00	03/26/2003 16:05	
Ethanol	ND	500	ug/L	1.00	03/26/2003 16:05	
Surrogates(s)						
1,2-Dichloroethane-d4	92.4	76-114	%	1.00	03/26/2003 16:05	
Toluene-d8	95.5	88-110	%	1.00	03/26/2003 16:05	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.

San Leandro, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-2

Lab ID: 2003-03-0336 - 2

Sampled: 03/14/2003 11:50

Extracted: 3/26/2003 16:27

Matrix: Water

QC Batch#: 2003/03/26-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2003 16:27	
Benzene	ND	0.50	ug/L	1.00	03/26/2003 16:27	
Toluene	ND	0.50	ug/L	1.00	03/26/2003 16:27	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2003 16:27	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2003 16:27	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/26/2003 16:27	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/26/2003 16:27	
Di-isopropyl Ether (DIPE)	2.3	2.0	ug/L	1.00	03/26/2003 16:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/26/2003 16:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/26/2003 16:27	
1,2-DCA	ND	2.0	ug/L	1.00	03/26/2003 16:27	
EDB	ND	2.0	ug/L	1.00	03/26/2003 16:27	
Ethanol	ND	500	ug/L	1.00	03/26/2003 16:27	
Surrogates(s)						
1,2-Dichloroethane-d4	92.8	76-114	%	1.00	03/26/2003 16:27	
Toluene-d8	95.7	88-110	%	1.00	03/26/2003 16:27	

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: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.

San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-3	Lab ID: 2003-03-0336 - 3
Sampled: 03/14/2003 11:05	Extracted: 3/26/2003 16:49
Matrix: Water	QC Batch#: 2003/03/26-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2003 16:49	
Benzene	ND	0.50	ug/L	1.00	03/26/2003 16:49	
Toluene	ND	0.50	ug/L	1.00	03/26/2003 16:49	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2003 16:49	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2003 16:49	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/26/2003 16:49	
Methyl tert-butyl ether (MTBE)	32	2.0	ug/L	1.00	03/26/2003 16:49	
Di-isopropyl Ether (DIPE)	2.2	2.0	ug/L	1.00	03/26/2003 16:49	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/26/2003 16:49	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/26/2003 16:49	
1,2-DCA	ND	2.0	ug/L	1.00	03/26/2003 16:49	
EDB	ND	2.0	ug/L	1.00	03/26/2003 16:49	
Ethanol	ND	500	ug/L	1.00	03/26/2003 16:49	
Surrogates(s)						
1,2-Dichloroethane-d4	89.8	76-114	%	1.00	03/26/2003 16:49	
Toluene-d8	98.0	88-110	%	1.00	03/26/2003 16:49	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

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

Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2003-03-0336 - 4
Sampled:	03/14/2003 11:30	Extracted:	3/26/2003 17:10
Matrix:	Water	QC Batch#:	2003/03/26-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2003 17:10	
Benzene	ND	0.50	ug/L	1.00	03/26/2003 17:10	
Toluene	ND	0.50	ug/L	1.00	03/26/2003 17:10	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2003 17:10	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2003 17:10	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/26/2003 17:10	
Methyl tert-butyl ether (MTBE)	34	2.0	ug/L	1.00	03/26/2003 17:10	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/26/2003 17:10	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/26/2003 17:10	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/26/2003 17:10	
1,2-DCA	ND	2.0	ug/L	1.00	03/26/2003 17:10	
EDB	ND	2.0	ug/L	1.00	03/26/2003 17:10	
Ethanol	ND	500	ug/L	1.00	03/26/2003 17:10	
Surrogates(s)						
1,2-Dichloroethane-d4	90.2	76-114	%	1.00	03/26/2003 17:10	
Toluene-d8	97.8	88-110	%	1.00	03/26/2003 17:10	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-5

Lab ID: 2003-03-0336 - 5

Sampled: 03/14/2003 10:30

Extracted: 3/28/2003 21:39

Matrix: Water

QC Batch#: 2003/03/28-01.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	03/28/2003 21:39	
Benzene	ND	50	ug/L	100.00	03/28/2003 21:39	
Toluene	ND	50	ug/L	100.00	03/28/2003 21:39	
Ethylbenzene	ND	50	ug/L	100.00	03/28/2003 21:39	
Total xylenes	ND	100	ug/L	100.00	03/28/2003 21:39	
tert-Butyl alcohol (TBA)	ND	10000	ug/L	100.00	03/28/2003 21:39	
Methyl tert-butyl ether (MTBE)	7000	200	ug/L	100.00	03/28/2003 21:39	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	03/28/2003 21:39	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	03/28/2003 21:39	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	03/28/2003 21:39	
1,2-DCA	ND	200	ug/L	100.00	03/28/2003 21:39	
EDB	ND	200	ug/L	100.00	03/28/2003 21:39	
Ethanol	ND	50000	ug/L	100.00	03/28/2003 21:39	
Surrogates(s)						
1,2-Dichloroethane-d4	101.3	76-114	%	100.00	03/28/2003 21:39	
Toluene-d8	93.3	88-110	%	100.00	03/28/2003 21:39	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-6

Lab ID: 2003-03-0336 - 6

Sampled: 03/14/2003 10:05

Extracted: 3/27/2003 17:52

Matrix: Water

QC Batch#: 2003/03/27-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/27/2003 17:52	
Benzene	ND	0.50	ug/L	1.00	03/27/2003 17:52	
Toluene	ND	0.50	ug/L	1.00	03/27/2003 17:52	
Ethylbenzene	ND	0.50	ug/L	1.00	03/27/2003 17:52	
Total xylenes	ND	1.0	ug/L	1.00	03/27/2003 17:52	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/27/2003 17:52	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/27/2003 17:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/27/2003 17:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/27/2003 17:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/27/2003 17:52	
1,2-DCA	ND	2.0	ug/L	1.00	03/27/2003 17:52	
EDB	ND	2.0	ug/L	1.00	03/27/2003 17:52	
Ethanol	ND	500	ug/L	1.00	03/27/2003 17:52	
Surrogates(s)						
1,2-Dichloroethane-d4	103.2	76-114	%	1.00	03/27/2003 17:52	
Toluene-d8	97.3	88-110	%	1.00	03/27/2003 17:52	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-7	Lab ID: 2003-03-0336 - 7
Sampled: 03/14/2003 09:30	Extracted: 3/26/2003 18:15
Matrix: Water	QC Batch#: 2003/03/26-01.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/26/2003 18:15	
Benzene	ND	0.50	ug/L	1.00	03/26/2003 18:15	
Toluene	ND	0.50	ug/L	1.00	03/26/2003 18:15	
Ethylbenzene	ND	0.50	ug/L	1.00	03/26/2003 18:15	
Total xylenes	ND	1.0	ug/L	1.00	03/26/2003 18:15	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	03/26/2003 18:15	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	03/26/2003 18:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	03/26/2003 18:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	03/26/2003 18:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	03/26/2003 18:15	
1,2-DCA	ND	2.0	ug/L	1.00	03/26/2003 18:15	
EDB	ND	2.0	ug/L	1.00	03/26/2003 18:15	
Ethanol	ND	500	ug/L	1.00	03/26/2003 18:15	
Surrogates(s)						
1,2-Dichloroethane-d4	95.6	76-114	%	1.00	03/26/2003 18:15	
Toluene-d8	96.7	88-110	%	1.00	03/26/2003 18:15	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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

Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/26-01.27-028

Water

Test(s): 8260FAB

QC Batch # 2003/03/26-01.27

Date Extracted: 03/26/2003 14:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/26/2003 14:18	
Benzene	ND	0.5	ug/L	03/26/2003 14:18	
Toluene	ND	0.5	ug/L	03/26/2003 14:18	
Ethylbenzene	ND	0.5	ug/L	03/26/2003 14:18	
Total xylenes	ND	1.0	ug/L	03/26/2003 14:18	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/26/2003 14:18	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/26/2003 14:18	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/26/2003 14:18	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/26/2003 14:18	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/26/2003 14:18	
1,2-DCA	ND	2.0	ug/L	03/26/2003 14:18	
EDB	ND	2.0	ug/L	03/26/2003 14:18	
Ethanol	ND	500	ug/L	03/26/2003 14:18	
Surrogates(s)					
1,2-Dichloroethane-d4	93.6	76-114	%	03/26/2003 14:18	
Toluene-d8	95.0	88-110	%	03/26/2003 14:18	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80
Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/27-01.62-062

Water

Test(s): 8260FAB

QC Batch # 2003/03/27-01.62

Date Extracted: 03/27/2003 10:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/27/2003 10:59	
Benzene	ND	0.5	ug/L	03/27/2003 10:59	
Toluene	ND	0.5	ug/L	03/27/2003 10:59	
Ethylbenzene	ND	0.5	ug/L	03/27/2003 10:59	
Total xylenes	ND	1.0	ug/L	03/27/2003 10:59	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/27/2003 10:59	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/27/2003 10:59	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/27/2003 10:59	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/27/2003 10:59	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/27/2003 10:59	
1,2-DCA	ND	2.0	ug/L	03/27/2003 10:59	
EDB	ND	2.0	ug/L	03/27/2003 10:59	
Ethanol	ND	500	ug/L	03/27/2003 10:59	
Surrogates(s)					
1,2-Dichloroethane-d4	99.4	76-114	%	03/27/2003 10:59	
Toluene-d8	97.4	88-110	%	03/27/2003 10:59	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/03/28-01.62-017

Water

Test(s): 8260FAB

QC Batch # 2003/03/28-01.62

Date Extracted: 03/28/2003 21:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/28/2003 21:17	
Benzene	ND	0.5	ug/L	03/28/2003 21:17	
Toluene	ND	0.5	ug/L	03/28/2003 21:17	
Ethylbenzene	ND	0.5	ug/L	03/28/2003 21:17	
Total xylenes	ND	1.0	ug/L	03/28/2003 21:17	
tert-Butyl alcohol (TBA)	ND	100	ug/L	03/28/2003 21:17	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	03/28/2003 21:17	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	03/28/2003 21:17	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	03/28/2003 21:17	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	03/28/2003 21:17	
1,2-DCA	ND	2.0	ug/L	03/28/2003 21:17	
EDB	ND	2.0	ug/L	03/28/2003 21:17	
Ethanol	ND	500	ug/L	03/28/2003 21:17	
Surrogates(s)					
1,2-Dichloroethane-d4	101.3	76-114	%	03/28/2003 21:17	
Toluene-d8	91.5	88-110	%	03/28/2003 21:17	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.

San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/26-01.27

LCS 2003/03/26-01.27-005

Extracted: 03/26/2003

Analyzed: 03/26/2003 13:27

LCSD 2003/03/26-01.27-006

Extracted: 03/26/2003

Analyzed: 03/26/2003 13:56

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.9	25.7	25.0	99.6	102.8	3.2	69-129	20		
Toluene	23.0	23.5	25.0	92.0	94.0	2.2	70-130	20		
Methyl tert-butyl ether (MTBE)	27.9	29.2	25.0	111.6	116.8	4.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	467	467	500	93.4	93.4		76-114			
Toluene-d8	487	482	500	97.4	96.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
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Project: 180310.80
Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/27-01.62

LCS 2003/03/27-01.62-015

Extracted: 03/27/2003

Analyzed: 03/27/2003 10:15

LCSD 2003/03/27-01.62-037

Extracted: 03/27/2003

Analyzed: 03/27/2003 10:37

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.7	25.0	25.0	98.8	100.0	1.2	69-129	20		
Toluene	25.2	25.7	25.0	100.8	102.8	2.0	70-130	20		
Methyl tert-butyl ether (MTBE)	22.9	23.6	25.0	91.6	94.4	3.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	514	509	500	102.8	101.8		76-114			
Toluene-d8	488	501	500	97.6	100.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80
Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/03/28-01.62

LCS 2003/03/28-01.62-034

Extracted: 03/28/2003

Analyzed: 03/28/2003 20:34

LCSD 2003/03/28-01.62-055

Extracted: 03/28/2003

Analyzed: 03/28/2003 20:55

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	24.6	25.4	25.0	98.4	101.6	3.2	69-129	20		
Toluene	24.9	24.3	25.0	99.6	97.2	2.4	70-130	20		
Methyl tert-butyl ether (MTBE)	30.0	33.5	25.0	120.0	134.0	11.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	530	528	500	106.0	105.6		76-114			
Toluene-d8	484	467	500	96.8	93.4		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
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Phone: (925) 551-7444 Fax: (925) 551-7899
Project: 180310.80
Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/26-01.27

MW-6 >> MS

Lab ID: 2003-03-0338 - 007

MS: 2003/03/26-01.27-026

Extracted: 03/26/2003

Analyzed: 03/26/2003 21:07

Dilution: 1.00

MSD: 2003/03/26-01.27-027

Extracted: 03/26/2003

Analyzed: 03/26/2003 21:29

Dilution: 1.00

Compound	Conc. ug/L			Spk. Level	Recovery			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	24.9	25.8	ND	25.0	99.6	103.2	3.6	69-129	20		
Toluene	23.7	23.3	ND	25.0	94.8	93.2	1.7	70-130	20		
Methyl tert-butyl ether	27.2	27.4	ND	25.0	108.8	109.6	0.7	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	460	462		500	92.1	92.5		76-114			
Toluene-d8	478	489		500	95.6	97.7		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/27-01.62

31/18/MW-1 >> MS

Lab ID: 2003-03-0330 - 001

MS: 2003/03/27-01.62-023

Extracted: 03/27/2003

Analyzed: 03/27/2003 16:23

Dilution: 1.00

MSD: 2003/03/27-01.62-046

Extracted: 03/27/2003

Analyzed: 03/27/2003 16:46

Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	23.2	22.8	ND	25.0	92.8	91.2	1.7	69-129	20		
Toluene	24.0	24.8	ND	25.0	96.0	99.2	3.3	70-130	20		
Methyl tert-butyl ether	28.2	28.8	4.56	25.0	94.6	97.0	2.5	65-165	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	527	539		500	105.4	107.7		76-114			
Toluene-d8	486	486		500	97.2	97.2		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180310.80

Tosco # 11106

Received: 03/17/2003 15:33

Site: 15199 Washington Ave.
San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/03/28-01.62

17L50 >> MS

Lab ID: 2003-03-0607 - 001

MS: 2003/03/28-01.62-008

Extracted: 03/28/2003

Analyzed: 03/28/2003 23:08

Dilution: 1.00

MSD: 2003/03/28-01.62-030

Extracted: 03/28/2003

Analyzed: 03/28/2003 23:30

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	33.9	31.1	0.580	25.0	133.3	122.1	8.8	65-165	20		
Benzene	26.7	25.3	ND	25.0	106.8	101.2	5.4	69-129	20		
Toluene	25.6	25.1	ND	25.0	102.4	100.4	2.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	534	524		500	106.9	104.7		76-114			
Toluene-d8	483	464		500	96.7	92.8		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Legend and Notes

Analysis Flag

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