



GETTLER-RYAN INC.

TRANSMITTAL

March 25, 2003
G-R #180021

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

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

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

RE: **Tosco (Unocal) Service Station
#6419
6401 Dublin Boulevard
Dublin, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 20, 2003	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of February 17, 2003

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **April 8, 2003**, this report will be distributed to the following:

cc: Ms. Eva Chu, Alameda County Health Care Services, 1131 Harbor Bay Pkwy., Alameda, CA 94502

Enclosure

Alameda County
APR 11 2003
Environmental Health



GETTLER - RYAN INC.

March 20, 2003
G-R Job #180021

Mr. David B. De Witt
ConocoPhillips
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

First Semi-Annual Event of February 17, 2003
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #6419
6401 Dublin Boulevard
Dublin, California

Dear Mr. De Witt:

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

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

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

Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734



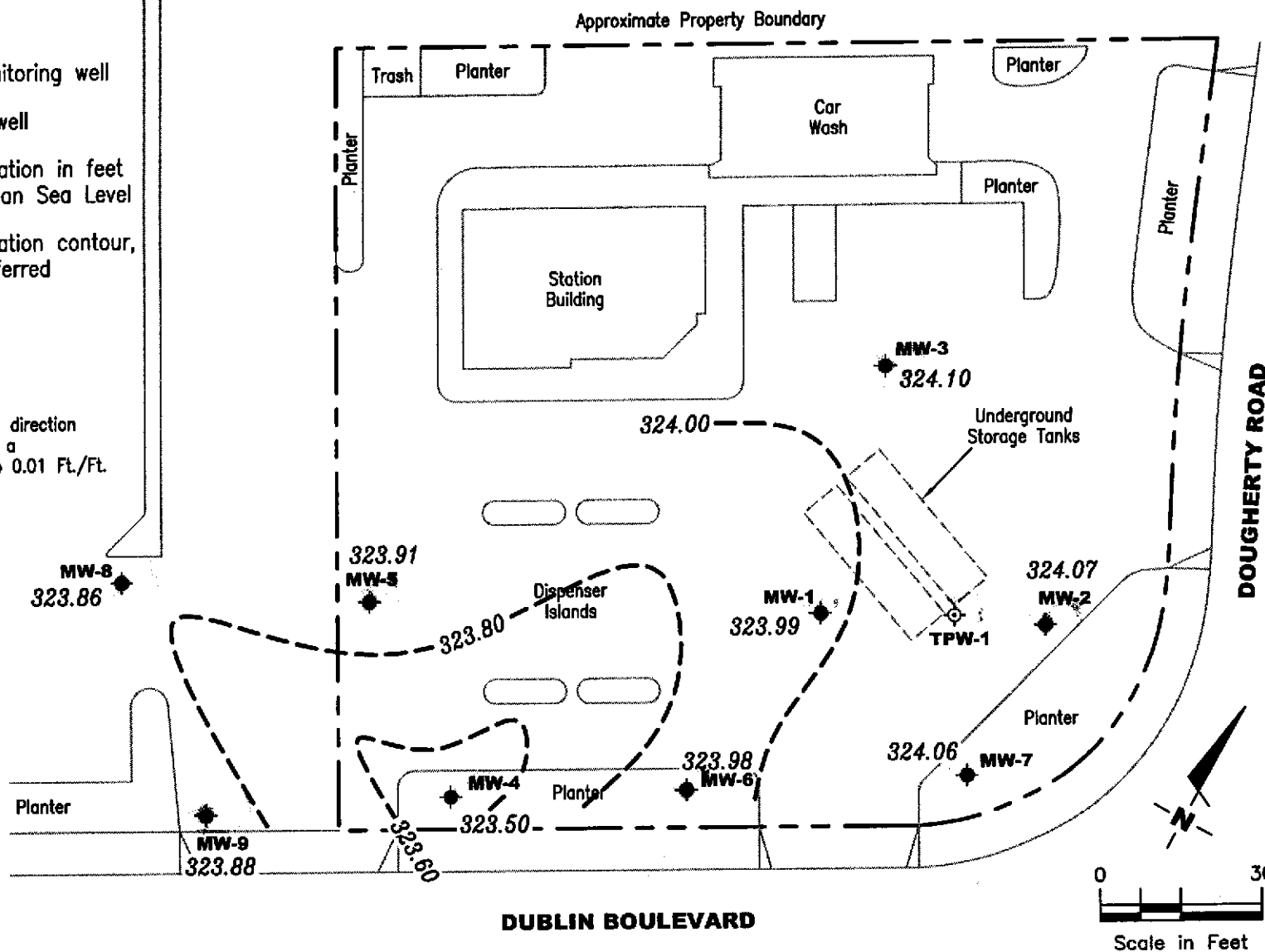
- Figure 1: Potentiometric Map
- Figure 2: Concentration Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results - Oxygenate Compounds
- Table 3: Dissolved Oxygen Concentrations
- Table 4: Groundwater Analytical Results - Metals
- Attachments: Standard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

6419.qml

EXPLANATION

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

Groundwater flow direction varies at a gradient of 0.005 to 0.01 Ft./Ft.



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

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

POTENTIOMETRIC MAP
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

FIGURE

1

PROJECT NUMBER
 180021

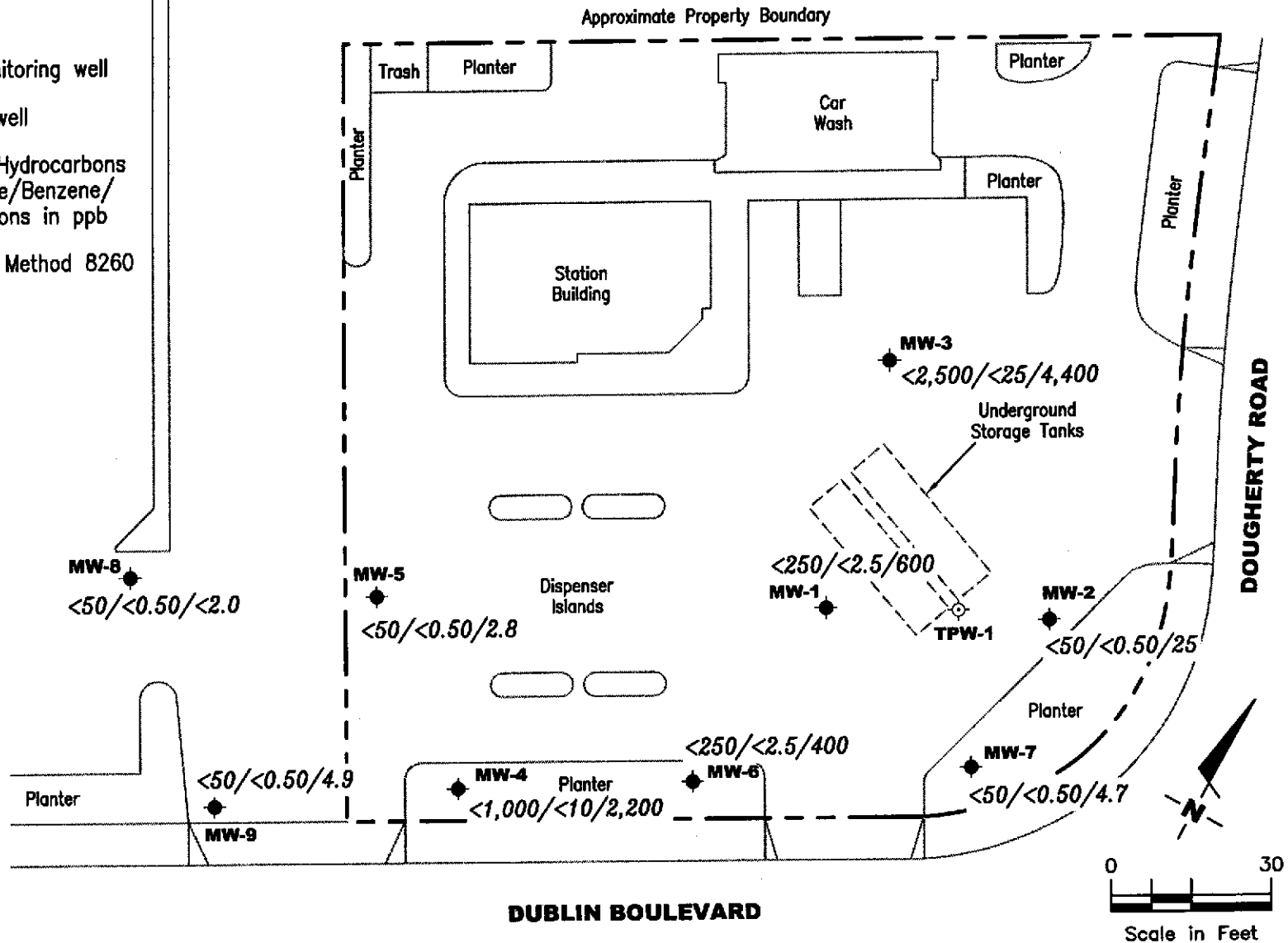
REVIEWED BY

DATE
 February 17, 2003

REVISED DATE

EXPLANATION

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



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



CONCENTRATION MAP
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

FIGURE
2

PROJECT NUMBER
 180021

REVIEWED BY

DATE
 February 17, 2003

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1											
330.45	03/14/94	7.27	4.0-19.0	323.18	810 ¹	1,800 ²	17	ND	ND	ND	--
	08/25/94	8.57		321.88	910 ³	9,200 ²	48	ND	540	ND	--
	09/30/94	8.78		321.67	--	--	--	--	--	--	--
	10/20/94	8.98		321.47	--	--	--	--	--	--	--
	11/18/94	7.69		322.76	910 ³	5,100	33	ND	560	38	--
	12/20/94	7.58		322.87	--	--	--	--	--	--	--
	01/17/95	6.03		324.42	--	--	--	--	--	--	--
	02/15/95	6.29		324.16	660 ¹	3,300	13	ND	180	5.2	--
	03/13/95	5.64		324.81	--	--	--	--	--	--	--
	04/06/95	5.62		324.83	--	--	--	--	--	--	--
	05/17/95	6.26		324.19	200 ³	130	0.75	ND	1.5	ND	--
	06/15/95	6.75		323.70	--	--	--	--	--	--	-- ⁵
	08/25/95	7.91		322.54	--	490	9.1	ND	21	2.0	-- ⁵
	11/28/95	9.03		321.42	--	1,400	18	3.0	98	3.6	-- ⁵
	02/26/96	5.77		324.68	--	560	9.3	ND	22	ND	1,300
	08/23/96	7.78		322.67	--	ND	ND	ND	ND	ND	640
330.23	02/17/97	5.73		324.50	--	120 ⁴	1.0	0.95	ND	ND	280
	08/18/97	7.38		322.85	--	ND	ND	ND	ND	ND	100
	02/02/98 ⁶	5.10		325.13	--	ND ⁷	130	ND ⁷	ND ⁷	ND ⁷	32,000
	08/24/98	6.73		323.50	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	26,000/24,000 ⁸
	02/10/99	5.46		324.77	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	84,000/100,000 ⁸
	04/12/99	6.38		323.85	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	140,000/120,000 ⁸
330.21	05/21/99	5.95		324.26	--	--	--	--	--	--	--
	08/02/99	6.75		323.46	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	91,000/140,000 ¹⁰
	02/11/00	6.44		323.77	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	38,000/39,000 ⁸
330.18	07/26/00 ¹³	7.08		323.10	--	146 ¹²	ND	ND	ND	ND	30,900/42,800 ¹⁰
	02/02/01	6.99		323.19	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,380/6,430 ⁸
	08/24/01	7.72		322.46	--	<50	8.3	<0.50	<0.50	<0.50	10,000/6,600 ⁸
330.17	10/11/01	7.72		322.45	--	--	--	--	--	--	--
	02/06/02	6.43		323.74	--	<50	<0.50	<0.50	<0.50	<0.50	450/420 ⁸
	07/30/02 ¹⁴	7.45		322.72	--	<1,000	<10	<10	<10	<20	2,400
	02/17/03 ¹⁴	6.18		323.99	--	<250	<2.5	<2.5	<2.5	<5.0	600

As of 02/17/03

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2											
330.40	03/14/94	7.23	4.0-20.0	323.17	--	ND	ND	2.8	1.1	8.0	--
	08/25/94	8.41		321.99	--	ND	ND	ND	ND	ND	--
	09/30/94	8.73		321.67	--	--	--	--	--	--	--
	10/20/94	8.92		321.48	--	--	--	--	--	--	--
	11/18/94	7.67		322.73	--	ND	ND	ND	ND	ND	--
	12/20/94	7.48		322.92	--	--	--	--	--	--	--
	01/17/95	6.00		324.40	--	--	--	--	--	--	--
	02/15/95	6.16		324.24	--	ND	ND	ND	ND	ND	--
	03/13/95	5.59		324.81	--	--	--	--	--	--	--
	04/06/95	5.51		324.89	--	--	--	--	--	--	--
	05/17/95	6.15		324.25	--	ND	ND	ND	ND	ND	--
	06/15/95	6.61		323.79	--	--	--	--	--	--	--
	08/25/95	7.45		322.95	--	ND	ND	ND	ND	ND	--
	11/28/95	8.85		321.55	--	ND	ND	ND	ND	ND	--
	02/26/96	5.49		324.91	--	ND	ND	ND	ND	ND	--
	08/23/96	7.44		322.96	SAMPLED ANNUALLY		--	--	--	--	--
330.27	02/17/97	5.64		324.63	--	ND	ND	ND	ND	ND	ND
	08/18/97	7.40		322.87	--	--	--	--	--	--	--
	02/02/98	5.09		325.18	--	ND	ND	ND	ND	ND	62
	08/24/98	6.70		323.57	--	--	--	--	--	--	--
	02/10/99	5.56		324.71	--	ND	ND	ND	ND	ND	130
330.30	05/21/99	5.98		324.32	--	--	--	--	--	--	--
	08/02/99	6.72		323.58	--	ND	ND	ND	ND	ND	120
	02/11/00	6.43		323.87	--	ND	ND	ND	ND	ND	39
330.24	07/26/00 ¹³	7.03		323.21	--	ND	ND	ND	ND	ND	89.9
	02/02/01	6.81		323.43	--	ND	ND	ND	ND	ND	20.1
	08/24/01	7.57		322.67	--	<50	<0.50	<0.50	<0.50	<0.50	36
330.24	10/11/01	7.62		322.62	--	--	--	--	--	--	--
	02/06/02	6.40		323.84	--	<50	<0.50	<0.50	<0.50	<0.50	23/21 ⁸
	07/30/02 ¹⁴	7.12		323.12	--	<50	<0.50	<0.50	<0.50	<1.0	11
	02/17/03 ¹⁴	6.17		324.07	--	<50	<0.50	<0.50	<0.50	<1.0	25

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3											
331.11	03/14/94	7.93	4.0-20.0	323.18	--	150 ⁴	ND	ND	ND	ND	--
	08/25/94	9.20		321.91	--	130 ⁴	ND	ND	ND	ND	--
	09/30/94	9.43		321.68	--	--	--	--	--	--	--
	10/20/94	9.64		321.47	--	--	--	--	--	--	--
	11/18/94	8.39		322.72	--	130 ⁴	ND	ND	ND	ND	--
	12/20/94	8.20		322.91	--	--	--	--	--	--	--
	01/17/95	6.72		324.39	--	--	--	--	--	--	--
	02/15/95	6.93		324.18	--	130 ⁴	ND	ND	ND	ND	--
	03/13/95	6.30		324.81	--	--	--	--	--	--	--
	04/06/95	8.20		322.91	--	--	--	--	--	--	--
	05/17/95	6.88		324.23	--	99 ⁴	ND	ND	ND	ND	--
	06/15/95	7.35		323.76	--	--	--	--	--	--	-- ⁵
	08/25/95	8.20		322.91	--	ND	ND	ND	ND	ND	--
	11/28/95	9.52		321.59	--	ND	ND	ND	ND	ND	-- ⁵
	02/26/96	6.25		324.86	--	ND	ND	ND	ND	ND	--
	08/23/96	7.98		323.13	SAMPLED ANNUALLY		--	--	--	--	--
330.68	02/17/97	6.07		324.61	--	ND	ND	ND	ND	ND	68
	08/18/97	7.82		322.86	--	--	--	--	--	--	--
	02/02/98	5.50		325.18	--	ND	ND	ND	ND	ND	100
	08/24/98	7.12		323.56	--	--	--	--	--	--	--
	02/10/99	5.80		324.88	--	ND	ND	ND	ND	ND	92
330.49	05/21/99	6.16		324.33	--	--	--	--	--	--	--
	08/02/99	6.95		323.54	--	ND	ND	ND	ND	ND	140
	02/11/00	6.71		-- ¹¹	--	ND	ND	ND	ND	ND	46
330.60	07/26/00 ¹³	7.35		323.25	--	ND	ND	ND	ND	ND	927
	02/02/01	7.17		323.43	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	2,240
	08/24/01	7.88		322.72	--	<50	<0.50	<0.50	<0.50	<0.50	2,500
330.59	10/11/01	7.83		322.76	--	--	--	--	--	--	--
	02/06/02	6.73		323.86	--	<1,000	<10	<10	<10	<10	4,300/3,300 ⁸
	07/30/02 ¹⁴	7.38		323.21	--	<2,500	<25	<25	<25	<50	4,900
	02/17/03 ¹⁴	6.49		324.10	--	<2,500	<25	<25	<25	<50	4,400

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4											
330.36	05/21/99 ⁹	6.43	4.0-19.0	323.93	--	ND	ND	ND	ND	ND	960/910 ⁸
	08/02/99	7.34		323.02	--	ND	10	ND	13	11	ND
	02/11/00	6.92		323.44	--	ND	ND	ND	ND	ND	2,700
330.35	07/26/00 ¹³	7.68		322.67	--	ND	ND	ND	ND	ND	3,710
	02/02/01	7.40		322.95	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,340
	08/24/01	8.14		322.21	--	<50	<0.50	<0.50	<0.50	<0.50	7,800
330.35	10/11/01	8.29		322.06	--	--	--	--	--	--	--
	02/06/02	7.28		323.07	--	<100	<1.0	<1.0	<1.0	<1.0	2,300/3,100 ⁸
	07/30/02 ¹⁴	7.76		322.59	--	<500	<5.0	<5.0	5.8	<10	1,600
	02/17/03 ¹⁴	6.85		323.50	--	<1,000	<10	<10	<10	<20	2,200
MW-5											
330.20	05/21/99 ⁹	5.99	4.0-19.0	324.21	--	ND	ND	ND	ND	ND	32/33 ⁸
	08/02/99	6.83		323.37	--	ND	ND	ND	ND	ND	230
	02/11/00	6.34		323.86	--	ND	ND	ND	ND	ND	98
	07/26/00 ¹³	7.06		323.14	--	ND	ND	ND	ND	ND	25.9
	02/02/01	6.81		323.39	--	ND	ND	ND	ND	ND	18.0
	08/24/01	7.60		322.60	--	<50	<0.50	<0.50	<0.50	<0.50	18
330.18	10/11/01	7.34		322.84	--	--	--	--	--	--	--
	02/06/02	6.55		323.63	--	<50	<0.50	<0.50	<0.50	<0.50	7.7/7.9 ⁸
	07/30/02 ¹⁴	7.15		323.03	--	<50	<0.50	<0.50	<0.50	<1.0	4.6
	02/17/03 ¹⁴	6.27		323.91	--	<50	<0.50	<0.50	<0.50	<1.0	2.8
MW-6											
330.49	05/21/99 ⁹	6.24	4.0-19.0	324.25	--	ND	ND	ND	ND	ND	2,200/2,300 ⁸
	08/02/99	7.10		323.39	--	ND	ND	ND	ND	ND	ND
	02/11/00	6.60		323.89	--	ND	ND	ND	ND	ND	2,500
	07/26/00 ¹³	7.31		323.18	--	ND	ND	ND	ND	ND	4,280

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #6419
6401 Dublin Boulevard
Dublin, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.hgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/02/01	7.02	4.0-19.0	323.47	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	1,990
(cont)	08/24/01	7.84		322.65	--	<200	<2.0	<2.0	<2.0	<2.0	1,100
330.47	10/11/01	8.03		322.44	--	--	--	--	--	--	--
	02/06/02	6.78		323.69	--	<50	<0.50	<0.50	<0.50	<0.50	610/680 ⁸
	07/30/02 ¹⁴	7.40		323.07	--	180 ¹⁵	<0.50	<0.50	<0.50	<1.0	160
	02/17/03 ¹⁴	6.49		323.98	--	<250	<2.5	<2.5	<2.5	<5.0	400
MW-7											22/22 ⁸
330.43	05/21/99 ⁹	6.13	4.0-19.0	324.30	--	ND	ND	ND	ND	ND	31
	08/02/99	6.92		323.51	--	ND	ND	ND	ND	ND	20
	02/11/00	6.50		323.93	--	ND	ND	ND	ND	ND	17.9
	07/26/00 ¹³	7.18		323.25	--	ND	ND	ND	ND	ND	ND
	02/02/01	6.95		323.48	--	ND	ND	ND	ND	ND	4.4
	08/24/01	7.72		322.71	--	<50	<0.50	<0.50	<0.50	<0.50	--
330.41	10/11/01	7.87		322.54	--	--	--	--	--	--	--
	02/06/02	6.62		323.79	--	<50	<0.50	<0.50	<0.50	<0.50	3.9/3.2 ⁸
	07/30/02 ¹⁴	7.26		323.15	--	<50	<0.50	<0.50	<0.50	<1.0	4.3
	02/17/03 ¹⁴	6.35		324.06	--	<50	<0.50	<0.50	<0.50	<1.0	4.7
MW-8											<2.5/<2.0 ⁸
329.97	10/11/01	7.57	--	322.40	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<1.0 ⁸
	02/06/02	6.35		323.62	--	<50	<0.50	<0.50	<0.50	<0.50	<2.0
	07/30/02 ¹⁴	6.95		323.02	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	02/17/03 ¹⁴	6.11		323.86	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
MW-9											22/15 ⁸
329.51	10/11/01	7.12	--	322.39	--	<50	<0.50	<0.50	<0.50	<0.50	19/14 ⁸
	02/06/02	5.94		323.57	--	<50	<0.50	<0.50	<0.50	<0.50	9.0
	07/30/02 ¹⁴	6.53		322.98	--	<50	<0.50	<0.50	<0.50	<1.0	4.9
	02/17/03 ¹⁴	5.63		323.88	--	<50	<0.50	<0.50	<0.50	<1.0	4.9

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft. bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
Trip Blank											
TB-LB	02/02/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	08/24/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	02/10/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/12/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	05/21/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	08/02/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	02/11/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/26/00 ¹³	--	--	--	--	ND	ND	ND	ND	ND	ND
	02/02/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	08/24/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	02/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	07/30/02 ¹⁴	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	02/17/03 ¹⁴	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

EXPLANATIONS:

Groundwater monitoring data and laboratory results prior to February 2, 1998, were compiled from reports prepared by MPDS Services, Inc.

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

* TOC elevations were resurveyed on November 1, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a chiseled square on top center of the concrete curb at the north curb return at the northwest corner of the intersection of Dougherty Road and Dublin Boulevard, (Benchmark Elevation = 330.60 ft., NGVD 1929).
 TOC elevations have been surveyed relative to msl, per the benchmark on the northwest corner of Dougherty Road and Sierra Way, (Elevation = 331.728 feet, msl).
 These TOC elevations have been used prior to the February 17, 1997 monitoring event. TOC elevations have been resurveyed (after station rebuilding) relative to msl, per the Benchmark on the northwest corner of Dougherty Road and Sierra Way, (Elevation = 331.728 feet, msl). TOC elevations were surveyed on August 18, 2000.

- ¹ Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- ² Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- ³ Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- ⁴ Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- ⁵ 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.
- ⁶ Well appears to be obstructed at approximately 9 feet.
- ⁷ Detection limit raised. Refer to analytical reports.
- ⁸ MTBE by EPA Method 8260.
- ⁹ Ethanol, t-butanol (TBA), di-isopropyl ether (DIPE), ethyl t-butyl ether (ETBE), and t-amyl methyl ether (TAME) by EPA Method 8260 were all ND.
- ¹⁰ MTBE by EPA Method 8260, was analyzed past EPA recommended hold time.
- ¹¹ TOC has been damaged. Cannot accurately calculate GWE.
- ¹² Laboratory report indicates unidentified hydrocarbons C6-C12.
- ¹³ Laboratory report indicates insufficient preservative to reduce ample pH to less than 2. Sample was analyzed within 14 days, but beyond the seventh day recommended for Benzene, Toluene, Xylene and Ethylbenzene.
- ¹⁴ TPH-G, BTEX and MTBE by EPA Method 8260.
- ¹⁵ Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	07/26/00	--	ND ¹	42,800	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹
	02/02/01	--	--	6,430	--	--	--	--	--
	08/24/01	<25,000	<1,000	6,600	<100	<100	<100	<100	<100
	02/06/02	<2,500	<100	420	<5.0	<5.0	<5.0	<5.0	<5.0
	07/30/02	<10,000	<2,000	2,400	<40	<40	<40	<40	<40
	02/17/03	<2,500	<500	600	<10	<10	<10	<10	<10
MW-2	02/06/02	<500	<20	21	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/02	--	--	11	--	--	--	--	--
	02/17/03	--	--	25	--	--	--	--	--
MW-3	02/06/02	<17,000	<670	3,300	<33	<33	<33	<33	<33
	07/30/02	--	--	4,900	--	--	--	--	--
	02/17/03	--	--	4,400	--	--	--	--	--
MW-4	02/06/02	<12,000	<500	3,100	<25	<25	<25	<25	<25
	07/30/02	--	--	1,600	--	--	--	--	--
	02/17/03	--	--	2,200	--	--	--	--	--
MW-5	02/06/02	<500	<20	7.9	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/02	--	--	4.6	--	--	--	--	--
	02/17/03	--	--	2.8	--	--	--	--	--
MW-6	02/06/02	<4,200	<170	680	<8.3	<8.3	<8.3	<8.3	<8.3
	07/30/02	--	--	160	--	--	--	--	--
	02/17/03	--	--	400	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-7	02/06/02	<500	<20	3.2	1.4	<1.0	<1.0	<1.0	<1.0
	07/30/02	--	--	4.3	--	--	--	--	--
	02/17/03	--	--	4.7	--	--	--	--	--
MW-8	10/11/01	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/06/02	<500	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/02	--	--	<2.0	--	--	--	--	--
	02/17/03	--	--	<2.0	--	--	--	--	--
MW-9	10/11/01	<500	<20	15	<2.0	<2.0	<2.0	<2.0	<2.0
	02/06/02	<500	<20	14	<1.0	<1.0	<1.0	<1.0	<1.0
	07/30/02	--	--	9.0	--	--	--	--	--
	02/17/03	--	--	4.9	--	--	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Tosco (Unocal) Service Station #6419
6401 Dublin Boulevard
Dublin, California

EXPLANATIONS:

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

¹ Detection limit raised. Refer to analytical reports.

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Dissolved Oxygen Concentrations
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	02/15/95	--	4.30
	05/17/95	--	1.20
	08/25/95	--	2.71
	11/28/95	--	3.25
	02/26/96	5.23	1.41
	08/23/96	3.83	N/A
	02/17/97	0.82	0.78
	08/18/97	1.28	2.35
	05/16/01	1.54	--
	08/24/01	--	3.10
MW-2	02/15/95	--	1.90
	02/26/96	0.62	0.43
	08/23/96	2.04	N/A
	02/17/97	0.90	0.82
	08/18/97	1.16	--
	05/16/01	1.47	--
	08/24/01	--	2.60
MW-3	02/15/95	--	2.60
	05/17/95	--	1.13
	08/25/95	--	1.86
	11/28/95	--	6.81
	02/26/96	16.83	1.11
	08/23/96	3.29	N/A
	02/17/97	0.80	0.80
	08/18/97	1.43	--
	05/16/01	1.65	--
08/24/01	--	2.60	
MW-4	08/24/01	--	2.30
MW-5	08/24/01	--	2.10
MW-6	08/24/01	--	2.70

Table 3
Dissolved Oxygen Concentrations
Tosco (Unocal) Service Station #6419
6401 Dublin Boulevard
Dublin, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-7	08/24/01	--	2.70

EXPLANATIONS:

Dissolved oxygen concentrations were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

N/A = Not Applicable

Table 4
Groundwater Analytical Data - Metals
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

WELL ID	DATE	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	Nickel (ppm)	Zinc (ppm)
MW-1	03/14/94	ND	0.012	ND	0.030	0.039
	08/25/94	ND	ND	0.024	ND	ND
	11/18/94	ND	0.076	ND	0.067	ND
	02/15/95	ND	ND	ND	ND	ND
	05/17/95	ND	ND	ND	0.021	ND

EXPLANATIONS:

Groundwater laboratory analytical results were compiled from reports prepared by MPDS Services, Inc.

(ppm) = Parts per million

ND = Not Detected

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#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: D.S.

Well ID: MW-1
 Well Diameter: 2 in.
 Total Depth: 9.20 ft.
 Depth to Water: 6.18 ft.
3.02 xVF .17 = .51 x3 (case volume) = Estimated Purge Volume: 1.5 gal.

Date Monitored: 2-17 Well Condition: OK

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

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

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

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft.
 Depth to Water: _____ ft.
 Hydrocarbon Thickness: _____ 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): 1238 Weather Conditions: cloudy
 Sample Time/Date: 1249 / 2-17-03 Water Color: clear Odor: yes
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1240</u>	<u>.5</u>	<u>7.99</u>	<u>595</u>	<u>16.5</u>	_____	_____
<u>1242</u>	<u>1</u>	<u>7.95</u>	<u>578</u>	<u>16.6</u>	_____	_____
<u>1245</u>	<u>1.5</u>	<u>7.90</u>	<u>575</u>	<u>16.6</u>	_____	_____

LABORATORY INFORMATION

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

COMMENTS: Casing bent 2.5' ft down. Bailer barely fits and has a hard time coming up.

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: 0.0

Well ID: MW-2 Date Monitored: 2-17-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 17.62 ft.
 Depth to Water: 6.17 ft.
11.45 xVF .17 = 1.94 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 X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

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

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

Start Time (purge): 1129 Weather Conditions: cloudy
 Sample Time/Date: 1146 / 2-17-03 Water Color: cloudy/clear Odor: no
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1133</u>	<u>2</u>	<u>7.74</u>	<u>960</u>	<u>18.0</u>		
<u>1137</u>	<u>4</u>	<u>7.62</u>	<u>945</u>	<u>18.2</u>		
<u>1141</u>	<u>6</u>	<u>7.49</u>	<u>928</u>	<u>18.2</u>		

LABORATORY INFORMATION

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

COMMENTS: casing bent 3' down. Still able to get bailer down, but it's a snug fit.

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: D.O.

Well ID: MW-3
 Well Diameter: 2 in.
 Total Depth: 18.52 ft.
 Depth to Water: 6.49 ft.
12.03 x VF .17 = 2.04 x3 (case volume) = Estimated Purge Volume: 6 gal.

Date Monitored: 2-17 Well Condition: Ok

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

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

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

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

Start Time (purge): 1257 Weather Conditions: cloudy
 Sample Time/Date: 1313 2-17-03 Water Color: clear Odor: yes
 Purging Flow Rate: — gpm. Sediment Description: —
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1301</u>	<u>2</u>	<u>7.84</u>	<u>808</u>	<u>19.4</u>		
<u>1304</u>	<u>4</u>	<u>7.76</u>	<u>836</u>	<u>19.7</u>		
<u>1308</u>	<u>6</u>	<u>7.62</u>	<u>820</u>	<u>19.7</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: D.O.

Well ID: MW-4 Date Monitored: 2-17-03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 19.3 ft.

Depth to Water: 6.85 ft.

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

12.28 xVF .17 = 2.08 x3 (case volume) = Estimated Purge Volume: 6 gal.

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1215 Weather Conditions: cloudy
 Sample Time/Date: 1229 12-17-03 Water Color: cloudy/clear Odor: no
 Purging Flow Rate: - gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>1218</u>	<u>2</u>	<u>7.82</u>	<u>795</u>	<u>18.9</u>		
<u>1221</u>	<u>4</u>	<u>7.60</u>	<u>772</u>	<u>19.0</u>		
<u>1225</u>	<u>6</u>	<u>7.56</u>	<u>755</u>	<u>18.6</u>		

LABORATORY INFORMATION

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

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419
 Site Address: 6401 Dublin Blvd.
 City: Dublin, CA

Job Number: 180021
 Event Date: 2-17-03 (inclusive)
 Sampler: 0.0.

Well ID: MW-5
 Well Diameter: 2 in.
 Total Depth: 19.39 ft.
 Depth to Water: 6.27 ft.
13.12

Date Monitored: 2-17 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

13.12 x VF .17 = 2.23 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

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

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

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

Start Time (purge): 1046 Weather Conditions: cloudy
 Sample Time/Date: 1101 / 2-17-03 Water Color: light brown Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1050</u>	<u>2</u>	<u>7.59</u>	<u>680</u>	<u>19.5</u>		
<u>1054</u>	<u>4</u>	<u>7.64</u>	<u>706</u>	<u>19.7</u>		
<u>1058</u>	<u>6.5</u>	<u>7.57</u>	<u>700</u>	<u>19.6</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2.17.03 (inclusive)
 City: Dublin, CA Sampler: 00.

Well ID: MW-6 Date Monitored: 2.17 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.37 ft.
 Depth to Water: 6.49 ft.
 Volume Factor (VF) table:

3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 xVF .17 = 2.18 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1152 Weather Conditions: cloudy
 Sample Time/Date: 1208 2.17.03 Water Color: cloudy/clear Odor: 10
 Purging Flow Rate: — gpm. Sediment Description: —
 Did well de-water? no If yes, Time: — Volume: — gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1136</u>	<u>2</u>	<u>7.75</u>	<u>923</u>	<u>17.7</u>		
<u>1200</u>	<u>4</u>	<u>7.69</u>	<u>903</u>	<u>18.2</u>		
<u>1204</u>	<u>6.5</u>	<u>7.58</u>	<u>881</u>	<u>18.3</u>		

LABORATORY INFORMATION

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

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2.17.03 (inclusive)
 City: Dublin, CA Sampler: P.O.

Well ID: MW-7 Date Monitored: 2.17.03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 19.46 ft.
 Depth to Water: 6.35 ft.
13.11 x VF .17 = 2.23 x3 (case volume) = Estimated Purge Volume: 6.5 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1109 Weather Conditions: cloudy
 Sample Time/Date: 1122 2.17.03 Water Color: light brown Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1112</u>	<u>2</u>	<u>7.67</u>	<u>852</u>	<u>17.9</u>		
<u>1115</u>	<u>4</u>	<u>7.71</u>	<u>873</u>	<u>18.1</u>		
<u>1118</u>	<u>6.5</u>	<u>7.63</u>	<u>875</u>	<u>18.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE(8260)</u>

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: D.O.

Well ID: MW-8 Date Monitored: 2-17-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.11 ft.
 Depth to Water: 6.11 ft.
14.00 xVF .17 = 2.38 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

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

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

Start Time (purge): 1004 Weather Conditions: cloudy
 Sample Time/Date: 1017 2-17-03 Water Color: light grey Odor: NO
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C/°F)	D.O. (mg/L)	ORP (mV)
<u>1007</u>	<u>2.5</u>	<u>7.07</u>	<u>883</u>	<u>19.6</u>		
<u>1011</u>	<u>5</u>	<u>7.06</u>	<u>900</u>	<u>20.0</u>		
<u>1014</u>	<u>7</u>	<u>7.03</u>	<u>912</u>	<u>19.8</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips#6419 Job Number: 180021
 Site Address: 6401 Dublin Blvd. Event Date: 2-17-03 (inclusive)
 City: Dublin, CA Sampler: D.O.

Well ID: MW-9 Date Monitored: 2-17-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.10 ft.
 Depth to Water: 5.63 ft.
 Volume Factor (VF) table:

3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 Estimated Purge Volume: $14.47 \times VF_{2.45} = 2.45 \times 3 = 7.5$ gal.

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

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

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

Start Time (purge): 1025 Weather Conditions: cloudy
 Sample Time/Date: 1039 2-17-03 Water Color: light brown Odor: no
 Purging Flow Rate: — gpm. Sediment Description: —
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°C/F)	D.O. (mg/L)	ORP (mV)
1028	2.5	7.73	654	17.4		
1032	5	7.61	627	18.2		
1036	7.5	7.49	606	18.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x vov vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE(8260)

COMMENTS: _____

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

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

Facility Number 05419
Facility Address 6401 DUBLIN BLVD., DUBLIN, CA
Global ID T0600101443 Project 180021.80
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 David Okimoto

2003-02-0309 **72059**

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	HYOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
OP	1	W	HEL	2-17-03/-					X									Run 8 Oxy's & 8260 on 8260 hit of MTBE c MW-1 only.
MW-1	3			/1249					X									
MW-2				/1146					X									
MW-3				/1313					X									
MW-4				/1229					X									
MW-5				/1101					X									
MW-6				/1208					X									
MW-7				/1122					X									
MW-8				/1017					X									
MW-9				/1039					X									

480

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

Relinquished By (Signature) <i>David Okimoto</i>	Organization G.R.	Date/Time 2-17-03/1335	Received By (Signature) <i>[Signature]</i>	Organization G-R.	Date/Time 2/17/03	Iced Y/N N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <i>[Signature]</i>	Organization G-R	Date/Time 2/15/05	Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <i>[Signature]</i>	Date/Time 02-18-03	Iced Y/N 0835		

Gettler Ryan

March 06, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180021.80

Project: Tosco #6419

Site: 6401 Dublin Blvd.,
Dublin, CA

Dear Ms. Harding,

Attached is our report for your samples received on 02/18/2003 08:35

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

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

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

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

Sincerely,



Tod Granicher
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	02/17/2003	Water	1
MW-1	02/17/2003 12:49	Water	2
MW-2	02/17/2003 11:46	Water	3
MW-3	02/17/2003 13:13	Water	4
MW-4	02/17/2003 12:29	Water	5
MW-5	02/17/2003 11:01	Water	6
MW-6	02/17/2003 12:08	Water	7
MW-7	02/17/2003 11:22	Water	8
MW-8	02/17/2003 10:17	Water	9
MW-9	02/17/2003 10:39	Water	10

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
Attn.: Deanna Harding

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

Project: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2003-02-0309 - 1
Sampled:	02/17/2003	Extracted:	2/21/2003 19:14
Matrix:	Water	QC Batch#:	2003/02/21-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/21/2003 19:14	
Benzene	ND	0.50	ug/L	1.00	02/21/2003 19:14	
Toluene	ND	0.50	ug/L	1.00	02/21/2003 19:14	
Ethylbenzene	ND	0.50	ug/L	1.00	02/21/2003 19:14	
Total xylenes	ND	1.0	ug/L	1.00	02/21/2003 19:14	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/21/2003 19:14	
Surrogates(s)						
1,2-Dichloroethane-d4	103.9	76-114	%	1.00	02/21/2003 19:14	
Toluene-d8	89.6	88-110	%	1.00	02/21/2003 19:14	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

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

Project: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-1	Lab ID: 2003-02-0309 - 2
Sampled: 02/17/2003 12:49	Extracted: 2/24/2003 20:05
Matrix: Water	QC Batch#: 2003/02/24-01.62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	02/24/2003 20:05	
Benzene	ND	2.5	ug/L	5.00	02/24/2003 20:05	
Toluene	ND	2.5	ug/L	5.00	02/24/2003 20:05	
Ethylbenzene	ND	2.5	ug/L	5.00	02/24/2003 20:05	
Total xylenes	ND	5.0	ug/L	5.00	02/24/2003 20:05	
tert-Butyl alcohol (TBA)	ND	500	ug/L	5.00	02/24/2003 20:05	
Methyl tert-butyl ether (MTBE)	600	10	ug/L	5.00	02/24/2003 20:05	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	02/24/2003 20:05	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	02/24/2003 20:05	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	02/24/2003 20:05	
1,2-DCA	ND	10	ug/L	5.00	02/24/2003 20:05	
EDB	ND	10	ug/L	5.00	02/24/2003 20:05	
Ethanol	ND	2500	ug/L	5.00	02/24/2003 20:05	
Surrogates(s)						
1,2-Dichloroethane-d4	104.8	76-114	%	5.00	02/24/2003 20:05	
Toluene-d8	93.7	88-110	%	5.00	02/24/2003 20:05	

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: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,

Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-2	Lab ID:	2003-02-0309 - 3
Sampled:	02/17/2003 11:46	Extracted:	2/21/2003 18:29
Matrix:	Water	QC Batch#:	2003/02/21-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/21/2003 18:29	
Benzene	ND	0.50	ug/L	1.00	02/21/2003 18:29	
Toluene	ND	0.50	ug/L	1.00	02/21/2003 18:29	
Ethylbenzene	ND	0.50	ug/L	1.00	02/21/2003 18:29	
Total xylenes	ND	1.0	ug/L	1.00	02/21/2003 18:29	
Methyl tert-butyl ether (MTBE)	25	2.0	ug/L	1.00	02/21/2003 18:29	
Surrogates(s)						
1,2-Dichloroethane-d4	104.7	76-114	%	1.00	02/21/2003 18:29	
Toluene-d8	91.8	88-110	%	1.00	02/21/2003 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: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-3	Lab ID:	2003-02-0309 - 4
Sampled:	02/17/2003 13:13	Extracted:	2/24/2003 20:27
Matrix:	Water	QC Batch#:	2003/02/24-01.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	02/24/2003 20:27	
Benzene	ND	25	ug/L	50.00	02/24/2003 20:27	
Toluene	ND	25	ug/L	50.00	02/24/2003 20:27	
Ethylbenzene	ND	25	ug/L	50.00	02/24/2003 20:27	
Total xylenes	ND	50	ug/L	50.00	02/24/2003 20:27	
Methyl tert-butyl ether (MTBE)	4400	100	ug/L	50.00	02/24/2003 20:27	
Surrogates(s)						
1,2-Dichloroethane-d4	108.6	76-114	%	50.00	02/24/2003 20:27	
Toluene-d8	93.2	88-110	%	50.00	02/24/2003 20:27	

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: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-4	Lab ID:	2003-02-0309 - 5
Sampled:	02/17/2003 12:29	Extracted:	2/24/2003 20:50
Matrix:	Water	QC Batch#:	2003/02/24-01.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	02/24/2003 20:50	
Benzene	ND	10	ug/L	20.00	02/24/2003 20:50	
Toluene	ND	10	ug/L	20.00	02/24/2003 20:50	
Ethylbenzene	ND	10	ug/L	20.00	02/24/2003 20:50	
Total xylenes	ND	20	ug/L	20.00	02/24/2003 20:50	
Methyl tert-butyl ether (MTBE)	2200	40	ug/L	20.00	02/24/2003 20:50	
Surrogates(s)						
1,2-Dichloroethane-d4	106.9	76-114	%	20.00	02/24/2003 20:50	
Toluene-d8	93.1	88-110	%	20.00	02/24/2003 20:50	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2003-02-0309 - 6
Sampled:	02/17/2003 11:01	Extracted:	2/24/2003 21:12
Matrix:	Water	QC Batch#:	2003/02/24-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/24/2003 21:12	
Benzene	ND	0.50	ug/L	1.00	02/24/2003 21:12	
Toluene	ND	0.50	ug/L	1.00	02/24/2003 21:12	
Ethylbenzene	ND	0.50	ug/L	1.00	02/24/2003 21:12	
Total xylenes	ND	1.0	ug/L	1.00	02/24/2003 21:12	
Methyl tert-butyl ether (MTBE)	2.8	2.0	ug/L	1.00	02/24/2003 21:12	
Surrogates(s)						
1,2-Dichloroethane-d4	107.7	76-114	%	1.00	02/24/2003 21:12	
Toluene-d8	94.8	88-110	%	1.00	02/24/2003 21:12	

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: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-6	Lab ID: 2003-02-0309 - 7
Sampled: 02/17/2003 12:08	Extracted: 2/24/2003 21:35
Matrix: Water	QC Batch#: 2003/02/24-01.62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	02/24/2003 21:35	
Benzene	ND	2.5	ug/L	5.00	02/24/2003 21:35	
Toluene	ND	2.5	ug/L	5.00	02/24/2003 21:35	
Ethylbenzene	ND	2.5	ug/L	5.00	02/24/2003 21:35	
Total xylenes	ND	5.0	ug/L	5.00	02/24/2003 21:35	
Methyl tert-butyl ether (MTBE)	400	10	ug/L	5.00	02/24/2003 21:35	
Surrogates(s)						
1,2-Dichloroethane-d4	105.8	76-114	%	5.00	02/24/2003 21:35	
Toluene-d8	94.3	88-110	%	5.00	02/24/2003 21:35	

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: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-7	Lab ID:	2003-02-0309 - 8
Sampled:	02/17/2003 11:22	Extracted:	2/24/2003 21:57
Matrix:	Water	QC Batch#:	2003/02/24-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/24/2003 21:57	
Benzene	ND	0.50	ug/L	1.00	02/24/2003 21:57	
Toluene	ND	0.50	ug/L	1.00	02/24/2003 21:57	
Ethylbenzene	ND	0.50	ug/L	1.00	02/24/2003 21:57	
Total xylenes	ND	1.0	ug/L	1.00	02/24/2003 21:57	
Methyl tert-butyl ether (MTBE)	4.7	2.0	ug/L	1.00	02/24/2003 21:57	
Surrogates(s)						
1,2-Dichloroethane-d4	105.9	76-114	%	1.00	02/24/2003 21:57	
Toluene-d8	91.3	88-110	%	1.00	02/24/2003 21:57	

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: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s): 5030B	Test(s): 8260FAB
Sample ID: MW-8	Lab ID: 2003-02-0309 - 9
Sampled: 02/17/2003 10:17	Extracted: 2/21/2003 22:12
Matrix: Water	QC Batch#: 2003/02/21-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/21/2003 22:12	
Benzene	ND	0.50	ug/L	1.00	02/21/2003 22:12	
Toluene	ND	0.50	ug/L	1.00	02/21/2003 22:12	
Ethylbenzene	ND	0.50	ug/L	1.00	02/21/2003 22:12	
Total xylenes	ND	1.0	ug/L	1.00	02/21/2003 22:12	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	02/21/2003 22:12	
Surrogates(s)						
1,2-Dichloroethane-d4	103.5	76-114	%	1.00	02/21/2003 22:12	
Toluene-d8	88.7	88-110	%	1.00	02/21/2003 22:12	

Gas/BTEX Fuel Oxygenates by 8260B

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Dublin, CA 94568
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Project: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-9	Lab ID:	2003-02-0309 - 10
Sampled:	02/17/2003 10:39	Extracted:	2/24/2003 22:20
Matrix:	Water	QC Batch#:	2003/02/24-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/24/2003 22:20	
Benzene	ND	0.50	ug/L	1.00	02/24/2003 22:20	
Toluene	ND	0.50	ug/L	1.00	02/24/2003 22:20	
Ethylbenzene	ND	0.50	ug/L	1.00	02/24/2003 22:20	
Total xylenes	ND	1.0	ug/L	1.00	02/24/2003 22:20	
Methyl tert-butyl ether (MTBE)	4.9	2.0	ug/L	1.00	02/24/2003 22:20	
Surrogates(s)						
1,2-Dichloroethane-d4	104.9	76-114	%	1.00	02/24/2003 22:20	
Toluene-d8	93.8	88-110	%	1.00	02/24/2003 22:20	

Gas/BTEX Fuel Oxygenates by 8260B

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Dublin, CA 94568

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Project: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Batch QC Report		
Prep(s): 5030B	Water	Test(s): 8260FAB
Method Blank		QC Batch # 2003/02/21-02.62
MB: 2003/02/21-02.62-014		Date Extracted: 02/21/2003 13:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/21/2003 13:14	
Benzene	ND	0.5	ug/L	02/21/2003 13:14	
Toluene	ND	0.5	ug/L	02/21/2003 13:14	
Ethylbenzene	ND	0.5	ug/L	02/21/2003 13:14	
Total xylenes	ND	1.0	ug/L	02/21/2003 13:14	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/21/2003 13:14	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/21/2003 13:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/21/2003 13:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/21/2003 13:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/21/2003 13:14	
1,2-DCA	ND	2.0	ug/L	02/21/2003 13:14	
EDB	ND	2.0	ug/L	02/21/2003 13:14	
Ethanol	ND	500	ug/L	02/21/2003 13:14	
Surrogates(s)					
1,2-Dichloroethane-d4	110.4	76-114	%	02/21/2003 13:14	
Toluene-d8	96.6	88-110	%	02/21/2003 13:14	

Gas/BTEX Fuel Oxygenates by 8260B

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Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Method Blank	Water		QC Batch # 2003/02/24-01.62
MB: 2003/02/24-01.62-042			Date Extracted: 02/24/2003 16:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/24/2003 16:42	
Benzene	ND	0.5	ug/L	02/24/2003 16:42	
Toluene	ND	0.5	ug/L	02/24/2003 16:42	
Ethylbenzene	ND	0.5	ug/L	02/24/2003 16:42	
Total xylenes	ND	1.0	ug/L	02/24/2003 16:42	
tert-Butyl alcohol (TBA)	ND	100	ug/L	02/24/2003 16:42	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	02/24/2003 16:42	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/24/2003 16:42	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/24/2003 16:42	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/24/2003 16:42	
1,2-DCA	ND	2.0	ug/L	02/24/2003 16:42	
EDB	ND	2.0	ug/L	02/24/2003 16:42	
Ethanol	ND	500	ug/L	02/24/2003 16:42	
Surrogates(s)					
1,2-Dichloroethane-d4	108.1	76-114	%	02/24/2003 16:42	
Toluene-d8	91.9	88-110	%	02/24/2003 16:42	

Gas/BTEX Fuel Oxygenates by 8260B

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Dublin, CA 94568
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Project: 180021.80
Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260FAB		
Laboratory Control Spike		Water		QC Batch # 2003/02/21-02.62	
LCS	2003/02/21-02.62-030	Extracted:	02/21/2003	Analyzed:	02/21/2003 12:30
LCSD	2003/02/21-02.62-052	Extracted:	02/21/2003	Analyzed:	02/21/2003 12:52

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.1	24.0	25.0	92.4	96.0	3.8	69-129	20		
Toluene	23.4	23.4	25.0	93.6	93.6	0.0	70-130	20		
Methyl tert-butyl ether (MTBE)	23.3	23.0	25.0	93.2	92.0	1.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	539	540	500	107.8	108.0		76-114			
Toluene-d8	474	485	500	94.8	97.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Dublin, CA 94568

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Project: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/02/24-01.62

LCS 2003/02/24-01.62-057

Extracted: 02/24/2003

Analyzed: 02/24/2003 15:57

LCSD 2003/02/24-01.62-019

Extracted: 02/24/2003

Analyzed: 02/24/2003 16:19

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.6	24.5	25.0	94.4	98.0	3.7	69-129	20		
Toluene	23.7	23.9	25.0	94.8	95.6	0.8	70-130	20		
Methyl tert-butyl ether (MTBE)	25.0	25.0	25.0	100.0	100.0	0.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	543	535	500	108.6	107.0		76-114			
Toluene-d8	469	470	500	93.8	94.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180021.80

Tosco #6419

Received: 02/18/2003 08:35

Site: 6401 Dublin Blvd.,
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Matrix Spike (MS / MSD)	Water	QC Batch # 2003/02/21-02.62	
MW-2 >> MS		Lab ID:	2003-02-0309 - 003
MS: 2003/02/21-02.62-044	Extracted: 02/21/2003	Analyzed:	02/21/2003 17:44
		Dilution:	1.00
MSD: 2003/02/21-02.62-006	Extracted: 02/21/2003	Analyzed:	02/21/2003 18:06
		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	23.7	24.4	ND	25.0	94.8	97.6	2.9	69-129	20		
Toluene	24.1	24.1	ND	25.0	96.4	96.4	0.0	70-130	20		
Methyl tert-butyl ether	51.4	50.3	24.7	25.0	106.8	102.4	4.2	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	524		500	105.3	104.7		76-114			
Toluene-d8	463	466		500	92.6	93.3		88-110			

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Dublin, CA

Legend and Notes

Analysis Flag

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