



GETTLER-RYAN INC.

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Alameda County
Environmental Health

September 17, 2003

G-R #180021

TO: Mr. David B. De Witt
ConocoPhillips
76 Broadway Avenue
Sacramento, California 94818

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	September 16, 2003	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of August 18, 2003

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **October 1, 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

CA & HI BON:
009408

Store #	2705748	Date	9/19/03
Unit #	6419	Code	GWH
Description	2ND SEMI-ANNUAL 2003		

M + S RPT

2 SIDED

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

Second Semi-Annual Event of August 18, 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 analysis. 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 I. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285

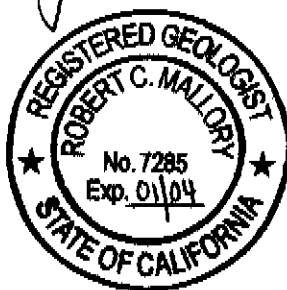



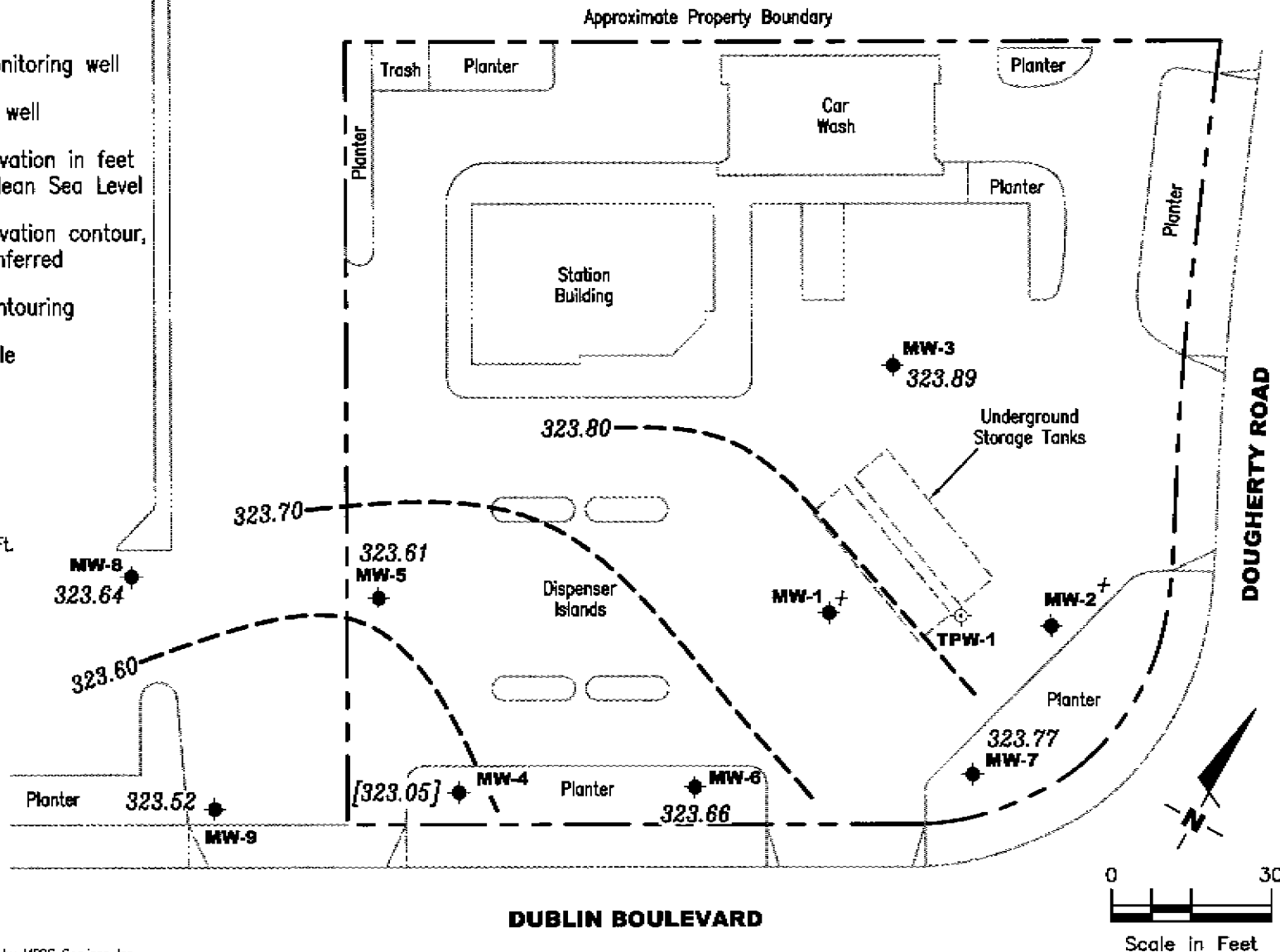
Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results - Oxygenate Compounds
Table 3:	Dissolved Oxygen Concentrations
Table 4:	Groundwater Analytical Results - Metals
Attachments:	Standard Operating 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
- [99.99] Not used in contouring
- + TOC not available

Approximate groundwater flow direction at a gradient of 0.002 to 0.005 Ft./Ft.

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

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 6747 Sierra Ct., Suite 1
 Dublin, CA 94568 (925) 551-7555

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

FIGURE

1

PROJECT NUMBER
180021

REVIEWED BY

DATE
August 18, 2003

REVISED DATE

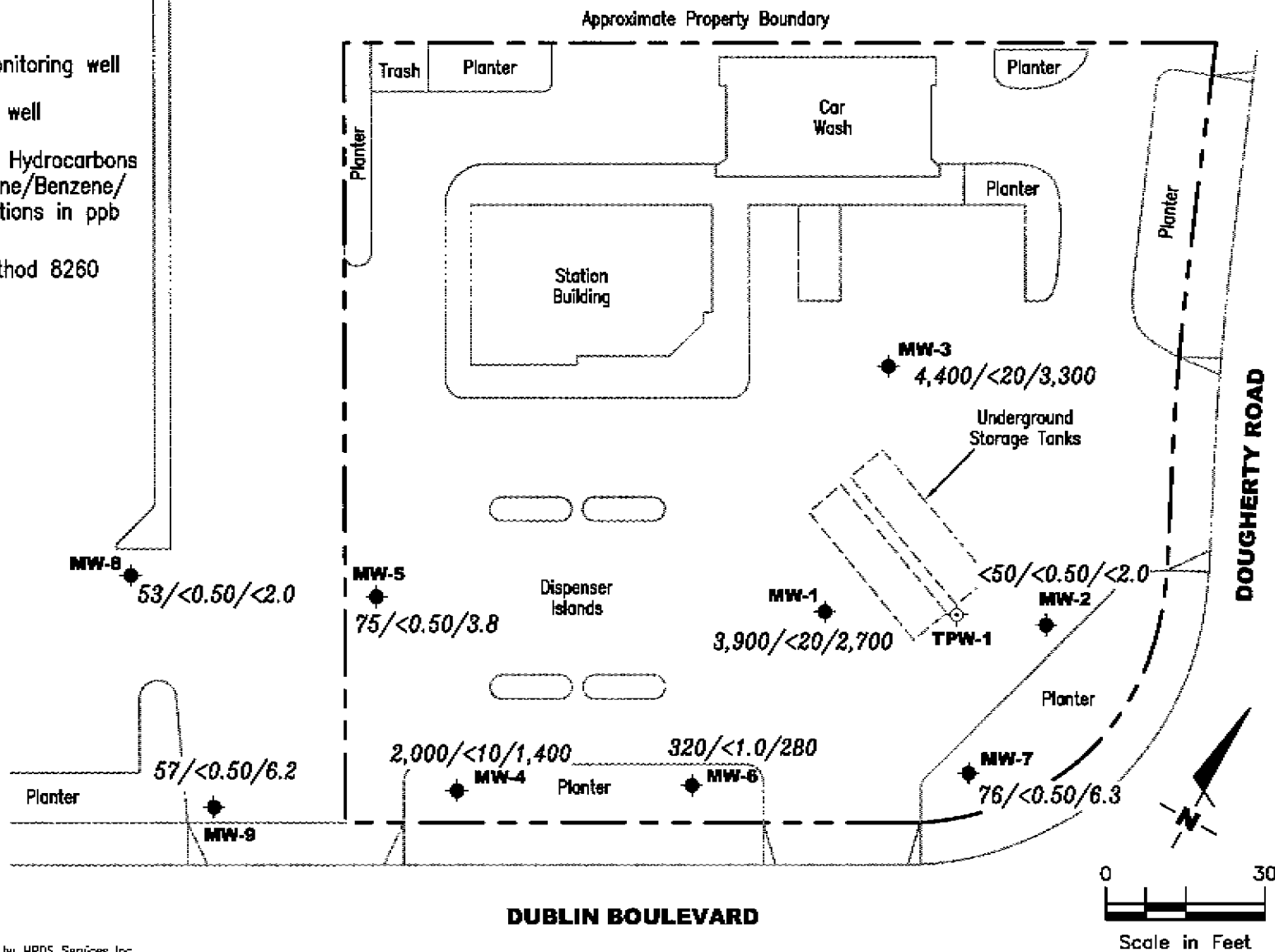
EXPLANATION

◆ 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 WPDS Services Inc..

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 6747 Sierra Ct., Suite J
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CONCENTRATION MAP
 Tosco (Unocal) Service Station #6419
 6401 Dublin Boulevard
 Dublin, California

FIGURE

2

PROJECT NUMBER
 180021

REVIEWED BY

DATE
 August 18, 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	--	--	--	--	--	--	--
	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

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 (mst)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	07/30/02 ¹⁴	7.45	4.0-19.0	322.72	--	<1,000	<10	<10	<10	<20	2,400
(cont)	02/17/03 ¹⁴	6.18		323.99	--	<250	<2.5	<2.5	<2.5	<5.0	600
	08/18/03 ¹⁴	6.25		-- ¹⁶	--	3,900 ¹⁵	<20	<20	<20	<40	2,700
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

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. bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	02/02/01	6.81	4.0-20.0	323.43	--	ND	ND	ND	ND	ND	20.1
(cont)	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
	08/18/03 ¹⁴	6.36		-- ¹⁶	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
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	--	--	--	--	--	--	--
	08/25/95	8.20		322.91	--	ND	ND	ND	ND	ND	-- ⁵
	11/28/95	9.52		321.59	--	ND	ND	ND	ND	ND	--
	02/26/96	6.25		324.86	--	ND	ND	ND	ND	ND	-- ³
	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	--	--	--	--	--	--	--

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.bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	08/02/99	6.95	4.0-20.0	323.54	--	ND	ND	ND	ND	ND	140
(cont)	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
	08/18/03 ¹⁴	6.70		323.89	--	4,400 ¹⁵	<20	<20	<20	<40	3,300
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
	08/18/03 ¹⁴	7.30		323.05	--	2,000 ¹⁵	<10	<10	<10	<20	1,400
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

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. bgs)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	02/02/01	6.81	4.0-19.0	323.39	--	ND	ND	ND	ND	ND	18.0
(cont)	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
	08/18/03¹⁴	6.57		323.61	--	75¹⁵	<0.50	<0.50	<0.50	<1.0	3.8
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
	02/02/01	7.02		323.47	--	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	1,990
	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
	08/18/03¹⁴	6.81		323.66	--	320	<1.0	<1.0	<1.0	<2.0	280
MW-7											
330.43	05/21/99 ⁹	6.13	4.0-19.0	324.30	--	ND	ND	ND	ND	ND	22/22 ⁸
	08/02/99	6.92		323.51	--	ND	ND	ND	ND	ND	31
	02/11/00	6.50		323.93	--	ND	ND	ND	ND	ND	20
	07/26/00 ¹³	7.18		323.25	--	ND	ND	ND	ND	ND	17.9
	02/02/01	6.95		323.48	--	ND	ND	ND	ND	ND	ND
	08/24/01	7.72		322.71	--	<50	<0.50	<0.50	<0.50	<0.50	4.4
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

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

WELL ID/ TOC*(<i>L</i>)	DATE	DTW (<i>ft.</i>)	S.I. (<i>ft.bgs</i>)	GWE (<i>mst</i>)	TPH-D (<i>ppb</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)
MW-7	07/30/02 ¹⁴	7.26	4.0-19.0	323.15	--	<50	<0.50	<0.50	<0.50	<1.0	4.3
(cont)	02/17/03 ¹⁴	6.35		324.06	--	<50	<0.50	<0.50	<0.50	<1.0	4.7
	08/18/03 ¹⁴	6.64		323.77	--	76 ¹⁵	<0.50	<0.50	<0.50	<1.0	6.3
MW-8											
329.97	10/11/01	7.57	--	322.40	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/ ⁸ <2.0 ⁹
	02/06/02	6.35		323.62	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/ ⁸ <1.0 ⁸
	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
	08/18/03 ¹⁴	6.33		323.64	--	53 ¹⁵	<0.50	<0.50	<0.50	<1.0	<2.0
MW-9											
329.51	10/11/01	7.12	--	322.39	--	<50	<0.50	<0.50	<0.50	<0.50	22/15 ⁸
	02/06/02	5.94		323.57	--	<50	<0.50	<0.50	<0.50	<0.50	19/14 ⁸
	07/30/02 ¹⁴	6.53		322.98	--	<50	<0.50	<0.50	<0.50	<1.0	9.0
	02/17/03 ¹⁴	5.63		323.88	--	<50	<0.50	<0.50	<0.50	<1.0	4.9
	08/18/03 ¹⁴	5.99		323.52	--	57 ¹⁵	<0.50	<0.50	<0.50	<1.0	6.2
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

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)
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
	08/18/03 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 (ft.) = Feet	TPH-D = Total Petroleum Hydrocarbons as Diesel	(ppb) = Parts per billion
DTW = Depth to Water	TPH-G = Total Petroleum Hydrocarbons as Gasoline	ND = Not Detected
S.I. = Screen Interval (ft.bgs) = Feet Below Ground Surface	B = Benzene	-- = Not Measured/Not Analyzed
GWE = Groundwater Elevation (msl) = Mean sea level	T = Toluene	QA = Quality Assurance/Trip Blank
	E = Ethylbenzene	
	X = Xylenes	
	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.
- ¹⁶ Due to well repair the TOC has been altered; unable to accurately calculate GWE.

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
	08/18/03	<20,000	<4,000	2,700	<80	<80	<80	<80	<80
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	--	--	--	--	--
	08/18/03	<500	--	<2.0	--	--	--	--	--
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	--	--	--	--	--
	08/18/03	<20,000	--	3,300	--	--	--	--	--
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	--	--	--	--	--
	08/18/03	<10,000	--	1,400	--	--	--	--	--
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	--	--	--	--	--
	08/18/03	<500	--	3.8	--	--	--	--	--

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-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	--	--	--	--	--
	08/18/03	<1,000	--	280	--	--	--	--	--
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	--	--	--	--	--
	08/18/03	<500	--	6.3	--	--	--	--	--
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	--	--	--	--	--
	08/18/03	<500	--	<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	--	--	--	--	--
	08/18/03	<500	--	6.2	--	--	--	--	--

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 ConocoPhillips Company, the purge water and decontamination water generated during sampling activities is transported to ConocoPhillips - 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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-1 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 9.20 ft.
 Depth to Water: 6.25 ft.
2.95 xVF 0.17 = .50 x3 (case volume) = Estimated Purge Volume: 1.50 gal.

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

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

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

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

Start Time (purge): 1422 Weather Conditions: Clear
 Sample Time/Date: 1435 1818-03 Water Color: tan Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1423</u>	<u>.50</u>	<u>7.94</u>	<u>1421</u>	<u>30.2</u>		
<u>1424</u>	<u>1.0</u>	<u>7.70</u>	<u>1403</u>	<u>26.0</u>		
<u>1428</u>	<u>1.5</u>	<u>7.77</u>	<u>1409</u>	<u>25.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x vqa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-2 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 17.62 ft.
 Depth to Water: 6.36 ft.
11.26 x VF 0.17 = 1.91 x3 (case volume) = Estimated Purge Volume: 5.73 gal.

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

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

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

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

Start Time (purge): 1206 Weather Conditions: Clear
 Sample Time/Date: 1225 8-18-03 Water Color: Cloudy tan Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: Sand
 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>1209</u>	<u>2.0</u>	<u>7.45</u>	<u>2091</u>	<u>23.5</u>	_____	_____
<u>1213</u>	<u>4.0</u>	<u>7.31</u>	<u>2057</u>	<u>22.2</u>	_____	_____
<u>1218</u>	<u>5.75</u>	<u>7.17</u>	<u>2054</u>	<u>21.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-3 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 18.52 ft.
 Depth to Water: 6.70 ft.
11.82 xVF 0.17 = 2.00 x3 (case volume) = Estimated Purge Volume: 6.02 gal.

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

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

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

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

Start Time (purge): 1440 Weather Conditions: Clear
 Sample Time/Date: 1455 18-18-03 Water Color: Light Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1444</u>	<u>2.0</u>	<u>7.96</u>	<u>1629</u>	<u>26.2</u>		
<u>1446</u>	<u>4.0</u>	<u>7.41</u>	<u>1580</u>	<u>24.1</u>		
<u>1448</u>	<u>6.0</u>	<u>8.03</u>	<u>1585</u>	<u>23.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-4 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.13 ft.
 Depth to Water: 7.30 ft.
11.83 x VF 0.17 = 2.01 x3 (case volume) = Estimated Purge Volume: 6.03 gal.

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

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

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

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

Start Time (purge): 1353 Weather Conditions: Clear
 Sample Time/Date: 1410 8-18-03 Water Color: Light Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1358</u>	<u>2.0</u>	<u>8.32</u>	<u>1836</u>	<u>23.4</u>		
<u>1402</u>	<u>4.0</u>	<u>7.77</u>	<u>1766</u>	<u>25.4</u>		
<u>1405</u>	<u>6.0</u>	<u>7.33</u>	<u>1788</u>	<u>24.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x vqa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-5 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.39 ft.
 Depth to Water: 6.57 ft.
12.82 xVF 0.17 = 2.17 x3 (case volume) = Estimated Purge Volume: 6.53 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 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: 0 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): 11:37 Weather Conditions: Clear
 Sample Time/Date: 11:50 8-18-03 Water Color: Light Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1141</u>	<u>2.0</u>	<u>7.40</u>	<u>1503</u>	<u>25.2</u>	_____	_____
<u>1144</u>	<u>4.0</u>	<u>7.17</u>	<u>1545</u>	<u>23.8</u>	_____	_____
<u>1148</u>	<u>6.5</u>	<u>7.17</u>	<u>1576</u>	<u>23.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: Top of Well Casing has cracked

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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-6 Date Monitored: 8/18/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.37 ft.
 Depth to Water: 6.87 ft.
 $12.56 \times VF \ 0.17 = 2.13 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 6.40 \text{ gal.}$

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

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

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

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

Start Time (purge): 1328 Weather Conditions: Clear
 Sample Time/Date: 1345 18-18-03 Water Color: Light Cloudy 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 (μ mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1331</u>	<u>2.0</u>	<u>7.63</u>	<u>1964</u>	<u>24.0</u>		
<u>1335</u>	<u>4.0</u>	<u>7.12</u>	<u>1893</u>	<u>22.1</u>		
<u>1339</u>	<u>6.5</u>	<u>7.39</u>	<u>1895</u>	<u>22.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/8/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-7 Date Monitored: 8/8/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.46 ft.
 Depth to Water: 6.64 ft.
12.82 xVF 0.17 = 2.17 x3 (case volume) = Estimated Purge Volume: 6.53 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.86	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1237 Weather Conditions: Clear
 Sample Time/Date: 1255 8-8-03 Water Color: Light Cloudy 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 (°F)	D.O. (mg/L)	ORP (mV)
<u>1240</u>	<u>2.0</u>	<u>8.40</u>	<u>1706</u>	<u>22.8</u>		
<u>1245</u>	<u>4.0</u>	<u>7.57</u>	<u>1665</u>	<u>21.2</u>		
<u>1249</u>	<u>6.5</u>	<u>7.58</u>	<u>1696</u>	<u>21.4</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/ETHANOL(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: 8/18/03 (inclusive)
 City: Dublin, CA Sampler: K. Kelly

Well ID: MW-8 Date Monitored: 8/18/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 20.11 ft.

Depth to Water: 6.33 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

13.78 xVF 0.17 = 2.34 x3 (case volume) = Estimated Purge Volume: 7.02 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:	<u>0</u> 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): 1048 Weather Conditions: Clear
 Sample Time/Date: 1105 18-18-03 Water Color: Clear Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1052</u>	<u>2.5</u>	<u>6.93</u>	<u>1894</u>	<u>25.1</u>	_____	_____
<u>1056</u>	<u>5.0</u>	<u>6.96</u>	<u>1882</u>	<u>24.7</u>	_____	_____
<u>1059</u>	<u>7.0</u>	<u>7.04</u>	<u>1880</u>	<u>24.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

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: 8/18/03 (inclusive)
 Sampler: R. Kelly

Well ID: MW-9
 Well Diameter: 2 in.
 Total Depth: 20.10 ft.
 Depth to Water: 5.99 ft.
14.11

Date Monitored: 8/18/03 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

xVF 0.17 = 2.39 x3 (case volume) = Estimated Purge Volume: 7.19 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: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 11:13 Weather Conditions: Clear
 Sample Time/Date: 11:30 18-18-03 Water Color: Light Cloudy Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>11:17</u>	<u>2.5</u>	<u>7.19</u>	<u>1446</u>	<u>28.2</u>	_____	_____
<u>11:23</u>	<u>5.0</u>	<u>7.04</u>	<u>1461</u>	<u>24.9</u>	_____	_____
<u>11:26</u>	<u>7.0</u>	<u>7.24</u>	<u>1637</u>	<u>25.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

2003-08-0565

Gettler-Ryan Inc., Chain-of-Custody

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

Facility Number #6419
Facility Address 6401 DUBLIN BLVD., DUBLIN, CA
Global ID T0600101443 Project 180021.80
Client Contact MR. DAVID B. DEWITT
Phone 916-558-7666

Laboratory Name STL - PLEASANTON, CA
Consultant GETTLER-RYAN, INC. DEANNA L. HARDING
Address 5747 SIERRA CT., SUITE J, DUBLIN CA 94568
Phone (925) 551-7555 Fax (925) 551-7899
Samples Collected by Kristina Kelly

SAMPLE ID	Number of Containers Metric	S = Soil A = Air W = Water C = Chemical	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/BTEX/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Sulfur gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/BTEX/MTBE EPA 8260	OXYGENATES EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 8020	METALS Cd, Cr, Pb, Zn, Ni	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	INOC'S (B010) EPA 8021B	VOC'S (8240) EPA 8020	SWOC'S EPA 8070	ETHANOL (8020)	Remarks
QA	1	W H		8-18-03					X										Run 8 Oxy's by 8260 on 8260 bit of MTBE on 8021 only. 4.9°C
MW-1	3			1435					X									X	
MW-2	3			1225					X									X	
MW-3	3			1455					X									X	
MW-4	3			1410					X									X	
MW-5	3			1150					X									X	
MW-6	3			1345					X									X	
MW-7	3			1255					X									X	
MW-8	3			1105					X									X	
MW-9	3	↓	↓	1130					X									X	

OXYGENATES 8260

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

Relinquished By (Signature) <i>Kristina Kelly</i>	Organization Gettler-Ryan Inc.	Date/Time 8/18/03 1530	Received By (Signature) <i>[Signature]</i>	Organization STL-17	Date/Time 8/19/03	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days <u>10 Days</u> As Contracted
Relinquished By (Signature) <i>[Signature]</i>	Organization STL SF	Date/Time 8/19/03	Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <i>Debbie Harrington</i>	Date/Time 8/19/03 @ 0940	Iced Y/N		

Gettler Ryan

September 08, 2003

6747 Sierra Court Suite J
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180021.80

Project: Conoco #6419

Site: 6401 Dublin Blvd., Dublin, CA

Dear Ms. Harding,

Attached is our report for your samples received on 08/19/2003 09:40

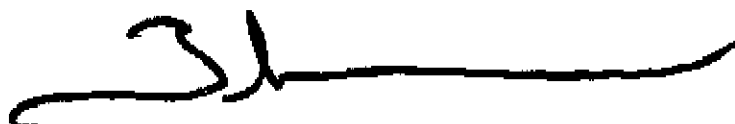
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/03/2003 unless you have requested otherwise.

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

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

Sincerely,



Tod Granicher
Project Manager

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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
QA	08/18/2003	Water	1
MW-1	08/18/2003 14:35	Water	2
MW-2	08/18/2003 12:25	Water	3
MW-3	08/18/2003 14:55	Water	4
MW-4	08/18/2003 14:10	Water	5
MW-5	08/18/2003 11:50	Water	6
MW-6	08/18/2003 13:45	Water	7
MW-7	08/18/2003 12:55	Water	8
MW-8	08/18/2003 11:05	Water	9
MW-9	08/18/2003 11:30	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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	QA	Lab ID:	2003-08-0565 - 1
Sampled:	08/18/2003	Extracted:	8/28/2003 18:40
Matrix:	Water	QC Batch#:	2003/08/28-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/28/2003 18:40	
Benzene	ND	0.50	ug/L	1.00	08/28/2003 18:40	
Toluene	ND	0.50	ug/L	1.00	08/28/2003 18:40	
Ethylbenzene	ND	0.50	ug/L	1.00	08/28/2003 18:40	
Total xylenes	ND	1.0	ug/L	1.00	08/28/2003 18:40	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/28/2003 18:40	
Surrogate(s)						
1,2-Dichloroethane-d4	93.6	76-114	%	1.00	08/28/2003 18:40	
Toluene-d8	100.0	88-110	%	1.00	08/28/2003 18:40	

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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-1 Lab ID: 2003-08-0565 - 2
 Sampled: 08/18/2003 14:35 Extracted: 8/28/2003 19:03
 Matrix: Water QC Batch#: 2003/08/28-2A.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3900	2000	ug/L	40.00	08/28/2003 19:03	g
Benzene	ND	20	ug/L	40.00	08/28/2003 19:03	
Toluene	ND	20	ug/L	40.00	08/28/2003 19:03	
Ethylbenzene	ND	20	ug/L	40.00	08/28/2003 19:03	
Total xylenes	ND	40	ug/L	40.00	08/28/2003 19:03	
tert-Butyl alcohol (TBA)	ND	4000	ug/L	40.00	08/28/2003 19:03	
Methyl tert-butyl ether (MTBE)	2700	80	ug/L	40.00	08/28/2003 19:03	
Di-isopropyl Ether (DIPE)	ND	80	ug/L	40.00	08/28/2003 19:03	
Ethyl tert-butyl ether (ETBE)	ND	80	ug/L	40.00	08/28/2003 19:03	
tert-Amyl methyl ether (TAME)	ND	80	ug/L	40.00	08/28/2003 19:03	
1,2-DCA	ND	80	ug/L	40.00	08/28/2003 19:03	
EDB	ND	80	ug/L	40.00	08/28/2003 19:03	
Ethanol	ND	20000	ug/L	40.00	08/28/2003 19:03	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	76-114	%	40.00	08/28/2003 19:03	
Toluene-d8	97.9	88-110	%	40.00	08/28/2003 19:03	

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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-4 Lab ID: 2003-08-0565 - 5
 Sampled: 08/18/2003 14:10 Extracted: 8/28/2003 20:15
 Matrix: Water QC Batch#: 2003/08/28-2A.66
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2000	1000	ug/L	20.00	08/28/2003 20:15	g
Benzene	ND	10	ug/L	20.00	08/28/2003 20:15	
Toluene	ND	10	ug/L	20.00	08/28/2003 20:15	
Ethylbenzene	ND	10	ug/L	20.00	08/28/2003 20:15	
Total xylenes	ND	20	ug/L	20.00	08/28/2003 20:15	
Methyl tert-butyl ether (MTBE)	1400	40	ug/L	20.00	08/28/2003 20:15	
Ethanol	ND	10000	ug/L	20.00	08/28/2003 20:15	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	76-114	%	20.00	08/28/2003 20:15	
Toluene-d8	99.5	88-110	%	20.00	08/28/2003 20:15	

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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-5	Lab ID:	2003-08-0565 - 6
Sampled:	08/18/2003 11:50	Extracted:	8/28/2003 21:50
Matrix:	Water	QC Batch#:	2003/08/28-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	75	50	ug/L	1.00	08/28/2003 21:50	g
Benzene	ND	0.50	ug/L	1.00	08/28/2003 21:50	
Toluene	ND	0.50	ug/L	1.00	08/28/2003 21:50	
Ethylbenzene	ND	0.50	ug/L	1.00	08/28/2003 21:50	
Total xylenes	ND	1.0	ug/L	1.00	08/28/2003 21:50	
Methyl tert-butyl ether (MTBE)	3.8	2.0	ug/L	1.00	08/28/2003 21:50	
Ethanol	ND	500	ug/L	1.00	08/28/2003 21:50	
Surrogate(s)						
1,2-Dichloroethane-d4	105.6	76-114	%	1.00	08/28/2003 21:50	
Toluene-d8	98.7	88-110	%	1.00	08/28/2003 21:50	

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

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s): 5030B Test(s): 8260FAB
 Sample ID: MW-6 Lab ID: 2003-08-0565 - 7
 Sampled: 08/18/2003 13:45 Extracted: 8/28/2003 22:14
 Matrix: Water QC Batch#: 2003/08/28-2A.66
 Analysis Flag: 0 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	320	100	ug/L	2.00	08/28/2003 22:14	
Benzene	ND	1.0	ug/L	2.00	08/28/2003 22:14	
Toluene	ND	1.0	ug/L	2.00	08/28/2003 22:14	
Ethylbenzene	ND	1.0	ug/L	2.00	08/28/2003 22:14	
Total xylenes	ND	2.0	ug/L	2.00	08/28/2003 22:14	
Methyl tert-butyl ether (MTBE)	280	4.0	ug/L	2.00	08/28/2003 22:14	
Ethanol	ND	1000	ug/L	2.00	08/28/2003 22:14	
Surrogate(s)						
1,2-Dichloroethane-d4	100.6	76-114	%	2.00	08/28/2003 22:14	
Toluene-d8	101.3	88-110	%	2.00	08/28/2003 22:14	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180021.80

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	MW-8	Lab ID:	2003-08-0565 - 9
Sampled:	08/18/2003 11:05	Extracted:	8/28/2003 23:02
Matrix:	Water	QC Batch#:	2003/08/28-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	53	50	ug/L	1.00	08/28/2003 23:02	g
Benzene	ND	0.50	ug/L	1.00	08/28/2003 23:02	
Toluene	ND	0.50	ug/L	1.00	08/28/2003 23:02	
Ethylbenzene	ND	0.50	ug/L	1.00	08/28/2003 23:02	
Total xylenes	ND	1.0	ug/L	1.00	08/28/2003 23:02	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/28/2003 23:02	
Ethanol	ND	500	ug/L	1.00	08/28/2003 23:02	
Surrogate(s)						
1,2-Dichloroethane-d4	106.4	76-114	%	1.00	08/28/2003 23:02	
Toluene-d8	97.3	88-110	%	1.00	08/28/2003 23:02	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180021.80
Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Prep(s): 5030B Test(s): 8260FAB
Sample ID: MW-9 Lab ID: 2003-08-0565 - 10
Sampled: 08/18/2003 11:30 Extracted: 8/28/2003 23:26
Matrix: Water QC Batch#: 2003/08/28-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	57	50	ug/L	1.00	08/28/2003 23:26	g
Benzene	ND	0.50	ug/L	1.00	08/28/2003 23:26	
Toluene	ND	0.50	ug/L	1.00	08/28/2003 23:26	
Ethylbenzene	ND	0.50	ug/L	1.00	08/28/2003 23:26	
Total xylenes	ND	1.0	ug/L	1.00	08/28/2003 23:26	
Methyl tert-butyl ether (MTBE)	6.2	2.0	ug/L	1.00	08/28/2003 23:26	
Ethanol	ND	500	ug/L	1.00	08/28/2003 23:26	
Surrogate(s)						
1,2-Dichloroethane-d4	98.9	76-114	%	1.00	08/28/2003 23:26	
Toluene-d8	100.9	88-110	%	1.00	08/28/2003 23:26	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Project: 180021.80

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/08/28-2A.66-027

Water

Test(s): 8260FAB

QC Batch # 2003/08/28-2A.66

Date Extracted: 08/28/2003 21:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/28/2003 21:27	
Benzene	ND	0.5	ug/L	08/28/2003 21:27	
Toluene	ND	0.5	ug/L	08/28/2003 21:27	
Ethylbenzene	ND	0.5	ug/L	08/28/2003 21:27	
Total xylenes	ND	1.0	ug/L	08/28/2003 21:27	
tert-Butyl alcohol (TBA)	ND	100	ug/L	08/28/2003 21:27	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/28/2003 21:27	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/28/2003 21:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/28/2003 21:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/28/2003 21:27	
1,2-DCA	ND	2.0	ug/L	08/28/2003 21:27	
EDB	ND	2.0	ug/L	08/28/2003 21:27	
Ethanol	ND	500	ug/L	08/28/2003 21:27	
Surrogates(s)					
1,2-Dichloroethane-d4	96.0	76-114	%	08/28/2003 21:27	
Toluene-d8	98.8	88-110	%	08/28/2003 21:27	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan
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Project: 180021.80
Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/08/29-1B.66-048

Water

Test(s): 8260FAB

QC Batch # 2003/08/29-1B.66

Date Extracted: 08/29/2003 11:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/29/2003 11:48	
Benzene	ND	0.5	ug/L	08/29/2003 11:48	
Toluene	ND	0.5	ug/L	08/29/2003 11:48	
Ethylbenzene	ND	0.5	ug/L	08/29/2003 11:48	
Total xylenes	ND	1.0	ug/L	08/29/2003 11:48	
tert-Butyl alcohol (TBA)	ND	100	ug/L	08/29/2003 11:48	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/29/2003 11:48	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/29/2003 11:48	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/29/2003 11:48	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/29/2003 11:48	
1,2-DCA	ND	2.0	ug/L	08/29/2003 11:48	
EDB	ND	2.0	ug/L	08/29/2003 11:48	
Ethanol	ND	500	ug/L	08/29/2003 11:48	
Surrogates(s)					
1,2-Dichloroethane-d4	89.5	76-114	%	08/29/2003 11:48	
Toluene-d8	100.6	88-110	%	08/29/2003 11:48	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 180021.80

Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/08/28-2A.66

LCS 2003/08/28-2A.66-039

Extracted: 08/28/2003

Analyzed: 08/28/2003 20:39

LCSD 2003/08/28-2A.66-003

Extracted: 08/28/2003

Analyzed: 08/28/2003 21:03

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	22.7	22.4	25	90.8	89.6	1.3	69-129	20		
Toluene	21.4	21.4	25	85.6	85.6	0.0	70-130	20		
Methyl tert-butyl ether (MTBE)	22.5	21.5	25	90.0	86.0	4.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	520	490	500	104.0	98.0		76-114			
Toluene-d8	497	495	500	99.4	99.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 180021.80
Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike

Water

QC Batch # 2003/08/29-1B.66

LCS 2003/08/29-1B.66-049

Extracted: 08/29/2003

Analyzed: 08/29/2003 11:00

LCSD 2003/08/29-1B.66-024

Extracted: 08/29/2003

Analyzed: 08/29/2003 11:24

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	22.8	22.3	25	91.2	89.2	2.2	69-129	20		
Toluene	22.5	23.4	25	90.0	93.6	3.9	70-130	20		
Methyl tert-butyl ether (MTBE)	22.8	22.6	25	91.2	90.4	0.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	497	471	500	99.4	94.2		76-114			
Toluene-d8	501	505	500	100.2	101.0		88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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Conoco #6419

Received: 08/19/2003 09:40

Site: 6401 Dublin Blvd., Dublin, CA

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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