



2000 Crow Canyon Place  
Suite 400  
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Risk Management &  
Remediation

September 19, 2003

Re: **Tosco (Unocal) Service Station #7176**  
**7850 Amador Valley Blvd.**  
**Dublin, California**

Alameda County  
SEP 21 2003  
Environmental Health

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

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

David B. DeWitt  
Site Manager  
ConocoPhillips



# GETTLER-RYAN INC.

## TRANSMITTAL

September 4, 2003

G-R #180022

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

CC: Mr. Paul Blank  
ERI, Inc.  
73 Digital Drive, Suite 100  
Novato, California 94949

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

Alameda County  
SEP 3 2003  
Environmental Health

RE: **Tosco(Unocal) Service Station  
#7176  
7850 Amador Valley Boulevard  
Dublin, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	September 3, 2003	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of July 28, 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 **September 18, 2003**, this report will be distributed to the following:

cc: Mr. Amir K. Gholami, REHS, Alameda County Health Care Services, 1131 Harbor Bay Pkwy., Alameda, CA 94502

Enclosure

trans/7176-DBD



# GETTLER - RYAN INC.

September 3, 2003  
G-R Job #180022

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

**RE: Second Semi-Annual Event of July 28, 2003**

Groundwater Monitoring & Sampling Report  
Tosco (Unocal) Service Station #7176  
7850 Amador Valley 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).

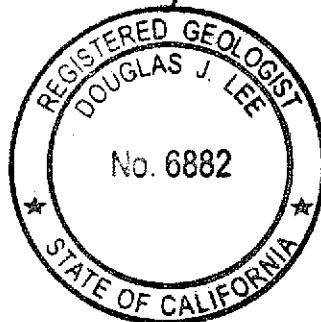
Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. Dissolved Oxygen Concentrations are summarized in 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 reports are also attached.

Sincerely,

Deanna L. Harding  
Project Coordinator

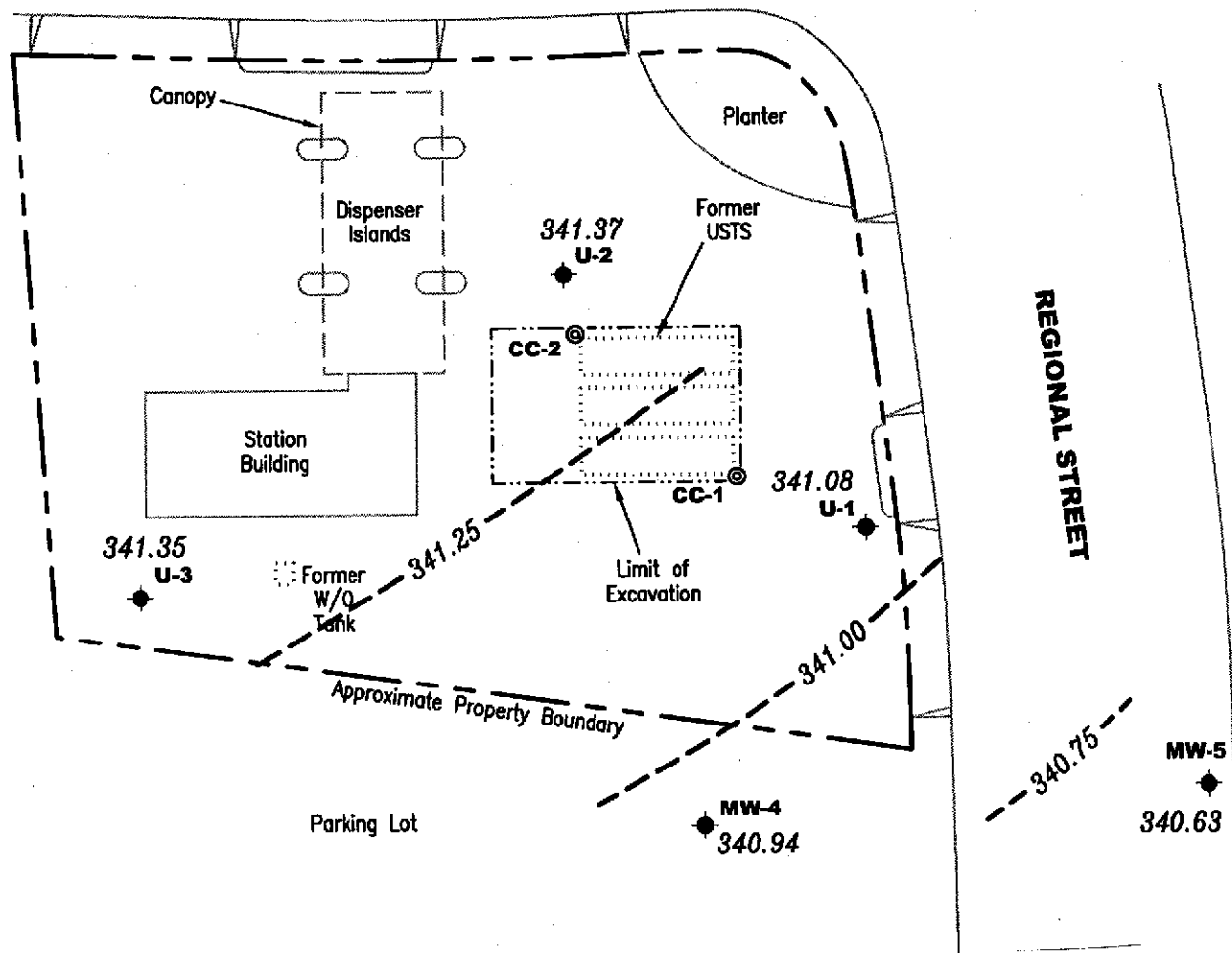
FOR Robert C. Mallory  
Registered Geologist No. 7285



- 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
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

7176.qml

**AMADOR VALLEY BOULEVARD**

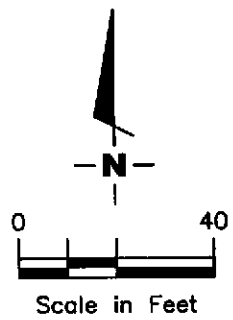


**EXPLANATION**

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



Approximate groundwater flow direction at a gradient of 0.004 to 0.005 Ft./Ft.



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

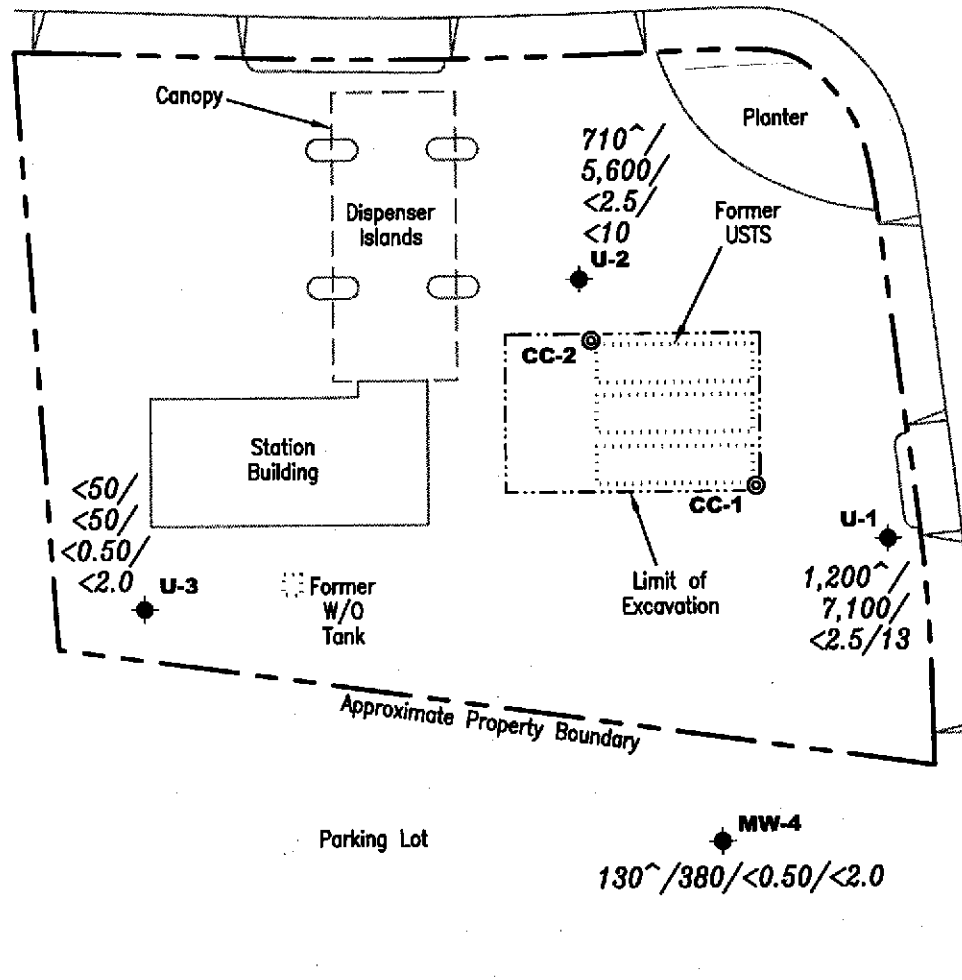
**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568 (925) 551-7555

**POTENTIOMETRIC MAP**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

FIGURE  
**1**

PROJECT NUMBER 180022	REVIEWED BY	DATE July 28, 2003	REVISED DATE
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**AMADOR VALLEY BOULEVARD**

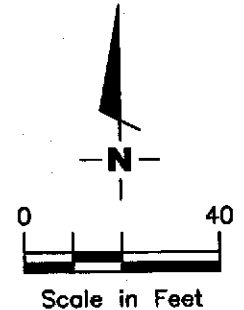


**REGIONAL STREET**

**EXPLANATION**

- ◆ Groundwater monitoring well
- ⊙ Conductor casing
- A/B/C/D Total Petroleum Hydrocarbons (TPH) as Diesel/TPH as Gasoline/Benzene/MTBE concentrations in ppb
- ~ w/silica gel cleanup

**NOTE:** TPH as Gasoline, Benzene, and MTBE analyses by EPA Method 8260



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

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

**CONCENTRATION MAP**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

FIGURE  
**2**

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley 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)
U-1											
355.62	07/08/95	12.59	10.0-30.0	343.03	<sup>3</sup> 9,400/--	39,000	1,500	19	1,600	5,200	--
	10/12/95	15.38		340.24	<sup>5</sup> 4,200/--	33,000	1,400	ND	1,400	3,100	-- <sup>7</sup>
	01/11/96 <sup>1</sup>	16.33		339.29	<sup>5</sup> 8,200/--	8,300	690	11	680	1,500	-- <sup>8</sup>
	04/11/96 <sup>2</sup>	12.20		343.42	<sup>5</sup> 630/--	3,200	110	ND	180	290	790
	07/10/96	13.84		341.78	<sup>5</sup> 2,200/--	2,600	81	4.4	210	230	510
	10/30/96	15.85		339.77	<sup>5</sup> 560/--	2,200	67	19	140	150	360
	01/27/97	12.20		343.42	<sup>5</sup> 2,300/--	4,600	98	ND	360	290	150
	04/08/97	13.46		342.16	<sup>5</sup> 1,300/--	2,800	50	ND	220	140	ND
	07/17/97	15.30		340.32	<sup>6</sup> 460/--	2,300	30	4.5	140	94	190
	10/17/97	16.33		339.29	<sup>6</sup> 510/--	1,500	31	6.7	110	88	220
	01/19/98	14.34		341.28	<sup>10</sup> 1,900/1,300 <sup>10</sup>	3,100	46	3.4	310	200	170
355.59	NP 04/23/98	11.16		344.43	--/1,700 <sup>11</sup>	3,400	72	3.8	470	350	280
	NP 07/08/98	12.67		342.92	<sup>14</sup> 2,000/--	4,500	51	ND <sup>12</sup>	590	430	190
		10/05/98		341.02	--/2,500 <sup>10</sup>	7,500 <sup>16</sup>	53	ND <sup>12</sup>	680	350	190/180 <sup>17</sup>
		01/04/99		340.24	<sup>11</sup> 2,700/2,500 <sup>11</sup>	10,000 <sup>19</sup>	ND <sup>12</sup>	ND <sup>12</sup>	1,200	540	ND <sup>12</sup>
		04/05/99		341.95	<sup>10</sup> 920/570 <sup>10</sup>	4,900	34	ND <sup>12</sup>	350	150	150/55 <sup>17</sup>
		07/01/99		341.20	<sup>10</sup> 2,700/3,600 <sup>26</sup>	10,000	45	ND <sup>12</sup>	850	420	260/110 <sup>17</sup>
		09/30/99		340.27	<sup>10</sup> 2,360/1,680 <sup>10</sup>	7,150 <sup>27</sup>	ND <sup>12</sup>	ND <sup>12</sup>	415	84.4	<sup>12</sup> ND/195 <sup>17</sup>
		01/03/00		339.08	<sup>26</sup> 2,000/1,700 <sup>26</sup>	5,400 <sup>27</sup>	28	8.4	180	33	160/120 <sup>17</sup>
		04/04/00		342.70	<sup>26</sup> 990/1,400 <sup>26</sup>	4,800 <sup>27</sup>	30	ND <sup>12</sup>	210	93	170/160 <sup>17</sup>
		07/14/00		341.03	<sup>26</sup> 2,800/1,200 <sup>26</sup>	6,200 <sup>27</sup>	41	16	170	32	170/120 <sup>17</sup>
		10/27/00		339.63	<sup>26</sup> 1,400/1,300 <sup>26</sup>	3,830 <sup>16</sup>	16.8	ND <sup>12</sup>	68.6	7.99	55.2/38 <sup>17</sup>
		01/08/01		339.87	--/873 <sup>29</sup>	2,410 <sup>16</sup>	14.7	4.30	30.5	5.04	34.5/9.33 <sup>17</sup>
		04/03/01		341.13	<sup>26</sup> 1,500/830 <sup>26</sup>	3,330 <sup>16</sup>	15.8	5.96	74.8	7.06	<sup>12</sup> ND/13.3 <sup>17</sup>
		07/06/01		339.94	<sup>10</sup> 1,600/1,200 <sup>10,30</sup>	4,300 <sup>16</sup>	23	6.4	57	6.8	58/36 <sup>17</sup>
		10/05/01		339.14	<sup>10</sup> 2,500/2,300 <sup>10</sup>	3,800 <sup>16</sup>	19	<5.0	19	<5.0	64/36 <sup>17</sup>
		01/03/02		341.41	<sup>31</sup> 2,200/2,200 <sup>31</sup>	4,500 <sup>16</sup>	25	<10	24	<10	<100/23 <sup>17</sup>
		04/01/02		341.87	<sup>31</sup> 1,800/1,200 <sup>31</sup>	5,300 <sup>16</sup>	36	6.7	48	12	93/59 <sup>17</sup>
		07/01/02 <sup>32</sup>		340.98	<sup>29</sup> 2,100/2,100 <sup>29</sup>	3,900	<0.50	<0.50	<0.50	3.9	23
		01/24/03 <sup>32</sup>		341.77	<sup>29</sup> 2,100/1,700 <sup>29</sup>	3,400	<2.5	<2.5	37	<5.0	21
		07/28/03 <sup>32</sup>		341.08	<sup>29</sup> 2,100/1,200 <sup>33</sup>	7,100 <sup>29</sup>	<2.5	<2.5	12	<5.0	13 <sup>*</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley 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)
U-2											
356.59	07/08/95	12.68	10.0-30.0	343.91	<sup>3</sup> 4,700/--	17,000	430	ND	2,200	590	--
	10/12/95	16.01		340.58	<sup>5</sup> 3,600/--	24,000	310	60	1,900	190	-- <sup>7</sup>
	01/11/96 <sup>1</sup>	17.06		339.53	<sup>5</sup> 8,600/--	10,000	210	55	1,400	240	-- <sup>8</sup>
	04/11/96 <sup>2</sup>	12.75		343.84	<sup>5</sup> 1,900/--	7,700	130	27	1,100	110	340
	07/10/96	14.42		342.17	<sup>5</sup> 2,300/--	5,600	59	15	610	42	250
	10/30/96	16.82		339.77	<sup>5</sup> 1,800/--	7,700	67	35	1,000	54	260
	01/27/97	12.91		343.68	<sup>5</sup> 660/--	1,600	14	ND	130	7.0	100
	04/08/97	14.07		342.52	<sup>5</sup> 2,000/--	4,300	35	ND	400	16	ND
	07/17/97	15.96		340.63	<sup>6</sup> 1,300/--	6,200	17	22	410	ND	130
	10/17/97	17.03		339.56	<sup>6</sup> 1,400/--	7,100	71	26	520	50	ND
	01/19/98	15.10		341.49	<sup>10</sup> 2,100/1,500 <sup>10</sup>	5,300	46	11	350	16	110
356.55	NP 04/23/98	11.74		344.81	--/1,200 <sup>11</sup>	3,200	23	11	210	38	160
	NP 07/08/98	13.27		343.28	<sup>14</sup> 1,100/--	1,600	34	8.5	100	7.4	190
	10/05/98	14.90		341.65	--/1,300 <sup>10</sup>	2,900 <sup>18</sup>	37	8.4	110	7.3	78
	01/04/99	15.94		340.61	<sup>11</sup> 670/250 <sup>20</sup>	2,200 <sup>21</sup>	35	ND <sup>12</sup>	17	ND <sup>12</sup>	86
	04/05/99	14.19		342.36	<sup>10</sup> 660/490 <sup>10</sup>	4,900	21	77	130	310	100/6.9 <sup>17</sup>
	07/01/99	14.98		341.57	<sup>24</sup> 210/440 <sup>26</sup>	1,500 <sup>25</sup>	7.6	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	<sup>12</sup> ND/35 <sup>17</sup>
	09/30/99	16.00		340.55	<sup>10</sup> 483/340 <sup>10</sup>	256 <sup>27</sup>	1.85	ND <sup>12</sup>	2.42	ND <sup>12</sup>	26.3/29.8 <sup>17</sup>
	01/03/00	17.20		339.35	<sup>26</sup> 2,400/1,900 <sup>26</sup>	3,400 <sup>27</sup>	23	13	ND <sup>12</sup>	44	46/14 <sup>17</sup>
	04/04/00	13.50		343.05	<sup>26</sup> 1,000/1,000 <sup>26</sup>	3,600 <sup>27</sup>	34	17	56	ND <sup>12</sup>	59/25 <sup>17</sup>
	07/14/00	15.23		341.32	<sup>26</sup> 1,000/350 <sup>26</sup>	3,100 <sup>27</sup>	16	13	15	10	100/19 <sup>17</sup>
	10/27/00	16.74		339.81	<sup>26</sup> 2,000/1,900 <sup>26</sup>	4,180 <sup>16</sup>	30.4	10.2	14.6	ND <sup>12</sup>	55.5/15 <sup>17</sup>
	01/08/01	16.68		339.87	--/624 <sup>29</sup>	3,300 <sup>16</sup>	33.5	7.32	3.49	ND <sup>12</sup>	66.7/7.49 <sup>17</sup>
	04/03/01	15.12		341.43	<sup>26</sup> 1,500/830 <sup>26</sup>	4,290 <sup>16</sup>	32.4	9.91	20.1	ND <sup>12</sup>	66.6/18.1 <sup>17</sup>
	07/06/01	16.32		340.23	<sup>10</sup> 1,400/1,100 <sup>10,30</sup>	4,700 <sup>16</sup>	35	11-	12	5.3	62/19 <sup>17</sup>
	10/05/01	17.15		339.40	<sup>10</sup> 3,200/1,900 <sup>10</sup>	3,600 <sup>16</sup>	31	9.6	8.7	6.9	62/13 <sup>17</sup>
	01/03/02	14.90		341.65	<sup>31</sup> 2,300/2,100 <sup>31</sup>	4,600 <sup>16</sup>	34	11	15	5.8	62/7.5 <sup>17</sup>
	04/01/02	14.38		342.17	<sup>31</sup> 1,400/470 <sup>31</sup>	3,500 <sup>16</sup>	38	9.3	10	6.5	87/18 <sup>17</sup>
	07/01/02 <sup>32</sup>	15.24		341.31	<50/--	4,500	<0.50	<0.50	5.0	1.7	<0.50
	01/24/03 <sup>32</sup>	14.31		342.24	<sup>29</sup> 860/570 <sup>29</sup>	2,300	1.1	1.5	6.9	2.4	5.9
	07/28/03 <sup>32</sup>	15.18		341.37	<sup>29</sup> 1,300/710 <sup>29,33</sup>	5,600 <sup>29</sup>	<2.5	<2.5	3.4	<5.0	<10

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7176  
7850 Amador Valley Boulevard  
Dublin, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D <sup>◆</sup> (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-3											
358.13	07/08/95	14.58	10.0-30.0	343.55	<sup>3</sup> 710/--	1,100 <sup>4</sup>	0.57	2.1	1.7	2.4	--
	10/12/95	17.60		340.53	<sup>6</sup> 470/--	560	ND	0.87	0.7	1.1	--
	01/11/96 <sup>1</sup>	18.65		339.48	<sup>6</sup> 260/--	230	0.62	0.91	0.97	1.9	--
	04/11/96	13.20		344.93	ND/--	68 <sup>9</sup>	ND	ND	ND	ND	ND
	07/10/96	15.98		342.15	ND/--	ND	ND	ND	ND	ND	ND
	10/30/96	18.24		339.89	ND/--	70	ND	ND	ND	ND	ND
	01/27/97	14.41		343.72	ND/--	ND	ND	ND	ND	ND	ND
	04/08/97	15.73		342.40	ND/--	ND	ND	ND	ND	ND	ND
	07/17/97	17.54		340.59	ND/--	ND	ND	ND	ND	ND	ND
	10/17/97	18.64		339.49	<sup>6</sup> 63/--	ND	ND	ND	ND	ND	ND
	01/19/98	16.67		341.46	<sup>10</sup> 68/ND	ND	ND	ND	ND	ND	ND
358.09	NP 04/23/98	13.28		344.81	--/ND	ND	ND	ND	ND	ND	ND
	NP 07/08/98	14.90		343.19	<sup>15</sup> 80/--	ND	ND	ND	ND	ND	ND
		16.50		341.59	--/ND	ND	ND	ND	ND	ND	ND
		17.70		340.39	ND/--	ND	ND	ND	ND	ND	ND
		15.67		342.42	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		16.79		341.30	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		17.60		340.49	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		18.86		339.23	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		15.10		342.99	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		16.85		341.24	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		18.35		339.74	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		18.31		339.78	--/ND	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		16.70		341.39	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
		17.90		340.19	ND/--	<del>ND</del>	ND	ND	ND	ND	ND/ND <sup>17</sup>
		18.71		339.38	<50/--	<50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 <sup>17</sup>
		16.41		341.68	<52/--	<50	<0.50	<0.50	<0.50	<0.50	<5.0/<1.0 <sup>17</sup>
		15.87		342.22	<50/--	<50	<0.50	1.1	<0.50	1.2	<5.0/<2.0 <sup>17</sup>
		16.77		341.32	<sup>29</sup> 1,500/<59	<50	<0.50	<0.50	<0.50	<1.0	<0.50
		15.75		342.34	<50/--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
		16.74		341.35	<50/--	<50	<0.50	<0.50	<0.50	<1.0	<2.0



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-D <sup>◆</sup> (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4 356.41	04/23/98	12.11	10.0-25.0	344.30	--/1,400 <sup>11</sup>	2,500	5.9	6.4	16	31	ND <sup>12</sup>
	07/08/98	13.70		342.71	<sup>11</sup> 1,400/--	1,000 <sup>13</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>
	10/05/98	15.18		341.23	--/230 <sup>10</sup>	890 <sup>16</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	14	ND <sup>12</sup>
	01/04/99	16.39		340.02	<sup>10</sup> 71/71 <sup>10</sup>	230 <sup>22</sup>	0.56	1.3	1.4	1.8	10
	04/05/99	14.61		341.80	<sup>10</sup> 340/210 <sup>10</sup>	620 <sup>23</sup>	ND <sup>12</sup>	1.8	2.1	ND <sup>12</sup>	6.0/9.3 <sup>17</sup>
	07/01/99	15.43		340.98	<sup>24</sup> 260/310 <sup>26</sup>	700 <sup>19</sup>	2.1	ND <sup>12</sup>	1.9	2.4	<sup>12</sup> ND/21 <sup>17</sup>
	09/30/99	16.27		340.14	<sup>10</sup> 420/220 <sup>10</sup>	582 <sup>27</sup>	2.60	1.30	1.98	ND <sup>12</sup>	23.1/22.5 <sup>17</sup>
	01/03/00	17.50		338.91	<sup>26</sup> 250/260 <sup>26</sup>	800 <sup>27</sup>	4.2	4.6	3.3	11	31/17 <sup>17</sup>
	04/04/00	13.91		342.50	<sup>10,15</sup> 460/340 <sup>26</sup>	710 <sup>27</sup>	2.0	1.3	4.4	2.0	21/22 <sup>17</sup>
	07/14/00	15.58		340.83	<sup>26</sup> 220/76 <sup>26</sup>	490 <sup>28</sup>	0.89	1.3	0.85	1.8	21/12 <sup>17</sup>
	10/27/00	16.96		339.45	<sup>26</sup> 160/120 <sup>26</sup>	598 <sup>21</sup>	ND	1.56	4.65	ND	15.4/14 <sup>17</sup>
	01/08/01	16.64		339.77	--/202 <sup>29</sup>	522 <sup>27</sup>	4.09	1.69	2.53	1.26	17.2/14.3 <sup>17</sup>
	04/03/01	15.46		340.95	<sup>26</sup> 180/ND	575 <sup>21</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	ND <sup>12</sup>	14.0/11.6 <sup>17</sup>
	07/06/01	16.63		339.78	<sup>10</sup> 230/200 <sup>10,30</sup>	720 <sup>16</sup>	4.7	1.5	2.5	0.74	10/7.1 <sup>17</sup>
	10/05/01	17.38		339.03	<sup>10</sup> 180/140 <sup>10</sup>	650 <sup>27</sup>	4.3	1.2	1.1	1.8	5.9/5.4 <sup>17</sup>
	01/03/02	15.10		341.31	<sup>31</sup> 390/360 <sup>31</sup>	340 <sup>16</sup>	2.9	1.4	1.7	<1.0	<10/3.1 <sup>17</sup>
	04/01/02	14.85		341.56	<sup>31</sup> 160/100 <sup>31</sup>	340 <sup>21</sup>	<0.50	2.7	<0.50	0.66	<5.0/2.2 <sup>17</sup>
	07/01/02 <sup>32</sup>	15.53		340.88	<sup>29</sup> 130/97 <sup>29</sup>	280	<0.50	<0.50	<0.50	<1.0	0.58
01/24/03 <sup>32</sup>	14.52		341.89	<sup>29</sup> 52/<50	170 <sup>29</sup>	<0.50	<0.50	<0.50	<1.0	<2.0	
07/28/03 <sup>32</sup>	15.47		340.94	<sup>29</sup> 110/130 <sup>29,33</sup>	380 <sup>29</sup>	<0.50	<0.50	<0.50	<1.0	<2.0	
MW-5 355.03	04/23/98	11.15	10.0-25.0	343.88	--/100 <sup>11</sup>	120	0.53	0.90	1.0	3.8	13
	07/08/98	12.63		342.40	<sup>10</sup> 170/--	ND	ND	ND	ND	ND	12
	10/05/98	14.00		341.03	--/100 <sup>10</sup>	ND	ND	ND	ND	ND	12
	01/04/99	15.21		339.82	ND/--	ND	ND	ND	ND	ND	ND
	04/05/99	13.76		341.27	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	07/01/99	14.48		340.55	ND/--	ND	ND	ND	ND	ND	<sup>12</sup> ND/2.3 <sup>17</sup>
	09/30/99	15.15		339.88	<sup>10</sup> 60.4/ND	50.8 <sup>27</sup>	ND	ND	ND	ND	ND/ND <sup>17</sup>
	01/03/00	16.34		338.69	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	04/04/00	12.90		342.13	<sup>15</sup> 69/ND	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7176  
7850 Amador Valley 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-5	07/14/00	14.48	10.0-25.0	340.55	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
(cont)	10/27/00	15.75		339.28	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	01/08/01	15.25		339.78	--/ND	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	04/03/01	14.41		340.62	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	07/06/01	15.52		339.51	ND/--	ND	ND	ND	ND	ND	ND/ND <sup>17</sup>
	10/05/01	16.28		338.75	<50/--	<50	<0.50	<0.50	<0.50	<0.50	<5.0/<2.0 <sup>17</sup>
	01/03/02	14.01		341.02	<51/--	<50	<0.50	<0.50	<0.50	<0.50	<5.0/1.6 <sup>17</sup>
	04/01/02	13.64		341.39	<50/--	<50	<0.50	<0.50	<0.50	<0.50	<5.0/3.5 <sup>17</sup>
	07/01/02 <sup>32</sup>	14.51		340.52	<60/--	<50	<0.50	<0.50	<0.50	<1.0	2.3
	01/24/03 <sup>32</sup>	13.53		341.50	<50/--	<50	<0.50	<0.50	<0.50	<1.0	4.3
	07/28/03 <sup>32</sup>	14.40		340.63	<50/--	<50	<0.50	<0.50	<0.50	<1.0	3.4
<b>Trip Blank</b>											
TB-LB	01/19/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/23/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/08/98	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/05/98	--	--	--	--	ND	ND	0.70	ND	0.71	ND
	01/04/99	--	--	--	--	ND	ND	0.74	ND	0.92	ND
	04/05/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/01/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	09/30/99	--	--	--	--	ND	ND	ND	ND	ND	ND
	01/03/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/04/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/14/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/27/00	--	--	--	--	ND	ND	ND	ND	ND	ND
	01/08/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	04/03/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	07/06/01	--	--	--	--	ND	ND	ND	ND	ND	ND
	10/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	01/03/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	04/01/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley 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	07/01/02 <sup>32</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50
	01/24/03 <sup>32</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0
	07/28/03 <sup>32</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to January 19, 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	NP = No purge
(ft.bgs) = Feet Below Ground Surface	E = Ethylbenzene	QA = Quality Assurance/Trip Blank
GWE = Groundwater Elevation	X = Xylenes	
(msl) = Mean sea level	MTBE = Methyl tertiary butyl ether	

\* TOC elevations were surveyed relative to msl, per the Benchmark AM-STW1977 located at the easterly return at the most easterly corner of intersection at Amador Valley Boulevard and Starward Street, (Elevation = 344.17 feet, msl).

◆ Analytical results reported as follows: TPH-D/TPH-D with silica gel cleanup.

- 1 Polynuclear Aromatic Hydrocarbons (PNAs) compound naphthalene was detected in well U-1 at a concentration of 320 ppb and at a concentration of 310 ppb in well U-2. All other PNAs compounds were ND in both wells.
- 2 PNAs compounds were ND.
- 3 Laboratory report indicates unidentified hydrocarbons C9-C26.
- 4 Laboratory report indicates gasoline and unidentified hydrocarbons >C12.
- 5 Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 6 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 7 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 8 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.
- 9 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- 10 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 11 Laboratory report indicates diesel and unidentified hydrocarbons <C14.
- 12 Detection limit raised. Refer to analytical reports.
- 13 Laboratory report indicates unidentified hydrocarbons >C8.
- 14 Laboratory report indicates unidentified hydrocarbons <C14.
- 15 Laboratory report indicates discrete peaks.
- 16 Laboratory report indicates weathered gasoline C6-C12.
- 17 MTBE by EPA Method 8260.
- 18 Laboratory report indicates unidentified hydrocarbons <C8.
- 19 Laboratory report indicates gasoline and unidentified hydrocarbons C6-C12.
- 20 Laboratory report indicates diesel and unidentified hydrocarbons <C16.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Tosco (Unocal) Service Station #7176  
7850 Amador Valley Boulevard  
Dublin, California

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**EXPLANATIONS:** (cont)

- 21 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 22 Laboratory report indicates gasoline and unidentified hydrocarbons >C10.
- 23 Laboratory report indicates gasoline and unidentified hydrocarbons <C7.
- 24 Laboratory report indicates unidentified hydrocarbons C10-C24.
- 25 Laboratory report indicates gasoline and unidentified hydrocarbons <C6.
- 26 Laboratory report indicates unidentified hydrocarbons <C16.
- 27 Laboratory report indicates gasoline C6-C12.
- 28 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
- 29 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 30 Laboratory report indicates sample was generated out of hold time. The sample was originally run within hold time, but needed to be re-analyzed.
- 31 Laboratory report indicates unidentified hydrocarbons C10-C28.
- 32 TPH-G, BTEX and MTBE by EPA Method 8260.
- 33 Laboratory report indicates that due to laboratory error, TPH-Diesel with silica gel cleanup was ran past the recommended hold time.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-1	04/05/99	ND <sup>1</sup>	ND <sup>1</sup>	55	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	07/01/99	ND	ND	110	ND	ND	ND	ND	ND
	09/30/99	ND <sup>1</sup>	ND <sup>1</sup>	195	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	01/03/00	ND	ND	120	ND	ND	ND	ND	ND
	04/04/00	ND <sup>1</sup>	ND <sup>1</sup>	160	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	07/14/00	ND <sup>1</sup>	ND <sup>1</sup>	120	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	10/27/00	ND	ND	38	ND	ND	ND	ND	ND
	01/08/01	ND <sup>1</sup>	ND <sup>1</sup>	9.33	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	04/03/01	ND <sup>1</sup>	ND <sup>1</sup>	13.3	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	07/06/01	ND	ND	36	ND	ND	ND	ND	ND
	10/05/01	<1,000	<100	36	<2.0	<2.0	<2.0	<2.0	<2.0
	01/03/02	<2,500	<100	23	<5.0	<5.0	<5.0	<5.0	<5.0
	04/01/02	<2,500	<500	59	<10	<10	<10	<10	<10
	07/01/02	<25	<5.0	23	<1.0	<0.50	<0.50	<0.50	<0.50
	01/24/03	<2,500	<500	21	<10	<10	<10	<10	<10
07/28/03	<2,500	<500	13	<10	<10	<10	<10	<10	
U-2	04/05/99	ND <sup>1</sup>	ND <sup>1</sup>	6.9	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	07/01/99	ND	ND	35	ND	ND	ND	ND	ND
	09/30/99	ND	ND	29.8	ND	ND	ND	ND	ND
	01/03/00	ND	ND	14	ND	ND	ND	ND	ND
	04/04/00	ND <sup>1</sup>	ND <sup>1</sup>	25	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	07/14/00	ND	ND	19	ND	ND	ND	ND	ND
	10/27/00	ND	ND	15	ND	ND	ND	ND	ND
	01/08/01	ND <sup>1</sup>	ND <sup>1</sup>	7.49	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>
	04/03/01	ND	ND	18.1	ND	ND	ND	ND	ND
	07/06/01	ND	ND	19	ND	ND	ND	ND	ND
	10/05/01	<1,000	<100	13	<2.0	<2.0	<2.0	<2.0	<2.0
	01/03/02	<2,500	<100	7.5	<5.0	<5.0	<5.0	<5.0	<5.0
	04/01/02	<1,000	<200	18	<4.0	<4.0	<4.0	<4.0	<4.0

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-2 (cont)	07/01/02	<25	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	01/24/03	<1,000	<200	5.9	<4.0	<4.0	<4.0	<4.0	<4.0
	<b>07/28/03</b>	<b>&lt;2,500</b>	<b>&lt;500</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>
U-3	04/05/99	ND	ND	ND	ND	ND	ND	ND	ND
	07/01/99	ND	ND	ND	ND	ND	ND	ND	ND
	09/30/99	ND	ND	ND	ND	ND	ND	ND	ND
	01/03/00	ND	ND	ND	ND	ND	ND	ND	ND
	04/04/00	ND	ND	ND	ND	ND	ND	ND	ND
	07/14/00	ND	ND	ND	ND	ND	ND	ND	ND
	10/27/00	ND	ND	ND	ND	ND	ND	ND	ND
	01/08/01	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/01	ND	ND	ND	ND	ND	ND	ND	ND
	07/06/01	ND	ND	ND	ND	ND	ND	ND	ND
	10/05/01	<1,000	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/03/02	<500	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	04/01/02	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/01/02	<25	<5.0	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	01/24/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
<b>07/28/03</b>	<b>&lt;500</b>	<b>&lt;100</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	<b>&lt;2.0</b>	
MW-4	04/05/99	ND	ND	9.3	ND	ND	ND	ND	ND
	07/01/99	ND	ND	21	ND	ND	ND	ND	ND
	09/30/99	ND	ND	22.5	ND	ND	ND	ND	ND
	01/03/00	ND	ND	17	ND	ND	ND	ND	ND
	04/04/00	ND	ND	22	ND	ND	ND	ND	ND
	07/14/00	ND	ND	12	ND	ND	ND	ND	ND
	10/27/00	ND	ND	14	ND	ND	ND	ND	ND
	01/08/01	ND	ND	14.3	ND	ND	ND	ND	ND
	04/03/01	ND	ND	11.6	ND	ND	ND	ND	ND
07/06/01	ND	ND	7.1	ND	ND	ND	ND	ND	

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley 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-4	10/05/01	<1,000	<100	5.4	<2.0	<2.0	<2.0	<2.0	<2.0
(cont)	01/03/02	<500	<20	3.1	<1.0	<1.0	<1.0	<1.0	<1.0
	04/01/02	<500	<100	2.2	<2.0	<2.0	<2.0	<2.0	<2.0
	07/01/02	<25	<5.0	0.58	<1.0	<0.50	<0.50	<0.50	<0.50
	01/24/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	07/28/03	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-5	04/05/99	ND	ND	ND	ND	ND	ND	ND	ND
	07/01/99	ND	ND	2.3	ND	ND	ND	ND	ND
	09/30/99	ND	ND	ND	ND	ND	ND	ND	ND
	01/03/00	ND	ND	ND	ND	ND	ND	ND	ND
	04/04/00	ND	ND	ND	ND	ND	ND	ND	ND
	07/14/00	ND	ND	ND	ND	ND	ND	ND	ND
	10/27/00	ND	ND	ND	ND	ND	ND	ND	ND
	01/08/01	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/01	ND	ND	ND	ND	ND	ND	ND	ND
	07/06/01	ND	ND	ND	ND	ND	ND	ND	ND
	10/05/01	<1,000	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	01/03/02	<500	<20	1.6	<1.0	<1.0	<1.0	<1.0	<1.0
	04/01/02	<500	<100	3.5	<2.0	<2.0	<2.0	<2.0	<2.0
	07/01/02	<25	<5.0	2.3	<1.0	<0.50	<0.50	<0.50	<0.50
	01/24/03	<500	<100	4.3	<2.0	<2.0	<2.0	<2.0	<2.0
	07/28/03	<500	<100	3.4	<2.0	<2.0	<2.0	<2.0	<2.0



**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Tosco (Unocal) Service Station #7176  
7850 Amador Valley Boulevard  
Dublin, California

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**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-Dibromomethane  
(ppb) = Parts per billion  
ND = Not Detected  
-- = Not Analyzed

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

1 Detection limit raised. Refer to analytical reports.

**Table 3**  
**Dissolved Oxygen Concentrations**  
 Tosco (Unocal) Service Station #7176  
 7850 Amador Valley Boulevard  
 Dublin, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
U-1	01/11/96	--	3.41
	04/11/96	3.77	3.78
	07/10/96 <sup>1</sup>	1.22	--
	10/30/96 <sup>1</sup>	1.41	--
	01/27/97 <sup>1</sup>	1.34	--
	04/08/97 <sup>1</sup>	2.09	--
	07/17/97 <sup>1</sup>	2.00	--
	10/17/97 <sup>1</sup>	1.86	--
	01/19/98 <sup>1</sup>	2.91	--
	04/23/98 <sup>1</sup>	0.59	--
07/08/98 <sup>1</sup>	1.10	--	
U-2	01/11/96	--	3.99
	04/11/96	3.32	3.41
	07/10/96 <sup>1</sup>	1.01	--
	10/30/96 <sup>1</sup>	1.42	--
	01/27/97 <sup>1</sup>	1.29	--
	04/08/97 <sup>1</sup>	1.69	--
	07/17/97 <sup>1</sup>	2.08	--
	10/17/97 <sup>1</sup>	1.80	--
	01/19/98 <sup>1</sup>	2.95	--
	04/23/98 <sup>1</sup>	0.55	--
07/08/98 <sup>1</sup>	1.36	--	
U-3	01/11/96	--	5.05
	04/11/96	5.16	4.96
	07/10/96 <sup>1</sup>	3.44	--
	10/30/96 <sup>1</sup>	2.18	--
	01/27/97 <sup>1</sup>	2.61	--
	04/08/97 <sup>1</sup>	3.73	--
	07/17/97 <sup>1</sup>	2.65	--
	10/17/97 <sup>1</sup>	2.44	--
	01/19/98 <sup>1</sup>	6.51	--
	04/23/98 <sup>1</sup>	4.72	--
07/08/98 <sup>1</sup>	4.35	--	
CC-1	10/02/95	2.83	--

**EXPLANATIONS:**

Dissolved oxygen concentrations prior to January 19, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

CC-1 = Conductor casing in the underground storage tank backfill

<sup>1</sup> The wells were not purged on this date.

## 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 #7176 Job Number: 180022  
 Site Address: 7850 Amador Valley Blvd. Event Date: 7/28/03 (inclusive)  
 City: Dublin, CA Sampler: Vortek

Well ID: U-1 Date Monitored: 7/28/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 27.75 ft.  
 Depth to Water: 14.51 ft.  
13.24 xVF 0.17 = 2.25 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   
 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: 0.3 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): 1220 Weather Conditions: Clear  
 Sample Time/Date: 1250 7/28/03 Water Color: grayish Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: silt (little)  
 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>1227</u>	<u>2</u>	<u>8.02</u>	<u>771</u>	<u>70.8</u>	_____	_____
<u>1235</u>	<u>4.5</u>	<u>7.87</u>	<u>783</u>	<u>70.5</u>	_____	_____
<u>1243</u>	<u>7</u>	<u>7.81</u>	<u>786</u>	<u>70.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-1</u>	<u>3</u> x vov vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	<u>1</u> x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #7176 Job Number: 180022  
 Site Address: 7850 Amador Valley Blvd. Event Date: 7/28/03 (inclusive)  
 City: Dublin, CA Sampler: Vortex

Well ID: U-2 Date Monitored: 7/28/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 26.40 ft.

Depth to Water: 15.18 ft.

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

11.22 xVF 0.17 = 1.90 x3 (case volume) = Estimated Purge Volume: 6 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1140 Weather Conditions: clear  
 Sample Time/Date: 120 7/28/03 Water Color: grayish Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Silt (little)  
 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>1147</u>	<u>2</u>	<u>7.86</u>	<u>1024</u>	<u>70.1</u>	_____	_____
<u>1154</u>	<u>4</u>	<u>7.71</u>	<u>1030</u>	<u>69.7</u>	_____	_____
<u>1203</u>	<u>6</u>	<u>7.68</u>	<u>1039</u>	<u>69.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-2</u>	<u>3 x vial</u>	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>
	<u>1 x 500ml Amber</u>	<u>YES</u>	<u>NP</u>	<u>STL Pleasanton</u>	<u>TPH-D(8015M)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #7176 Job Number: 180022  
 Site Address: 7850 Amador Valley Blvd. Event Date: 7/28/03 (inclusive)  
 City: Dublin, CA Sampler: Vantus

Well ID: U-3 Date Monitored: 7/28/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 28.40 ft.  
 Depth to Water: 16.74 ft.  
11.66 xVF 0.17 = 1.98 x3 (case volume) = Estimated Purge Volume: 6 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 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): 1103 Weather Conditions: clear  
 Sample Time/Date: 1130 17/28/03 Water Color: brn. Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: SLF  
 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>1110</u>	<u>2</u>	<u>7.57</u>	<u>979</u>	<u>69.0</u>	_____	_____
<u>1116</u>	<u>4</u>	<u>7.43</u>	<u>991</u>	<u>68.8</u>	_____	_____
<u>1124</u>	<u>6</u>	<u>7.41</u>	<u>994</u>	<u>68.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>U-3</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>
	<u>1</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>STL Pleasanton</u>	<u>TPH-D(8015M)</u>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #7176 Job Number: 180022  
 Site Address: 7850 Amador Valley Blvd. Event Date: 7/28/03 (inclusive)  
 City: Dublin, CA Sampler: Vantner

Well ID: MW-4 Date Monitored: 7/28/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 25.40 ft.

Depth to Water: 15.47 ft.

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

9.93 xVF 0.17 = 1.68 x3 (case volume) = Estimated Purge Volume: 5 gal.

### Purge Equipment:

Disposable Bailer ✓  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started:	_____ (2400 hrs)
Time Bailed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> 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): 1027 Weather Conditions: clear  
 Sample Time/Date: 1050 7/28/03 Water Color: clear Odor: \_\_\_\_\_  
 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>1032</u>	<u>1.5</u>	<u>7.44</u>	<u>905</u>	<u>69.3</u>	_____	_____
<u>1038</u>	<u>3</u>	<u>7.33</u>	<u>913</u>	<u>69.0</u>	_____	_____
<u>1045</u>	<u>5</u>	<u>7.30</u>	<u>914</u>	<u>69.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>STL Pleasanton</u>	<u>TPH-G/BTEX/MTBE/8 Oxy's(8260)</u>
	<u>1</u> x 500ml Amber	<u>YES</u>	<u>NP</u>	<u>STL Pleasanton</u>	<u>TPH-D(8015M)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ConocoPhillips #7176 Job Number: 180022  
 Site Address: 7850 Amador Valley Blvd. Event Date: 7/28/03 (inclusive)  
 City: Dublin, CA Sampler: Vadtek

Well ID: MW-5 Date Monitored: 7/28/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 27.75 ft.  
 Depth to Water: 14.40 ft.  
10.35 xVF 0.17 = 1.75 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 0945 Weather Conditions: clear  
 Sample Time/Date: 1010 17/28/03 Water Color: brn. Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: slt  
 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>0952</u>	<u>2</u>	<u>7.63</u>	<u>1103</u>	<u>69.1</u>	_____	_____
<u>0958</u>	<u>4</u>	<u>7.78</u>	<u>1112</u>	<u>69.0</u>	_____	_____
<u>1003</u>	<u>5.5</u>	<u>7.73</u>	<u>1114</u>	<u>68.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa vial	YES	HCL	STL Pleasanton	TPH-G/BTEX/MTBE/8 Oxy's(8260)
	<u>1</u> x 500ml Amber	YES	NP	STL Pleasanton	TPH-D(8015M)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



2003-07-0856

Gettler-Ryan Inc., Chain-of-Custody

Tosco Corp./ Phillips 66 Co. 2000 Crow Canyon Place Suite 400 San Ramon, CA 94583	Facility Number	#7176	Laboratory Name	STL - PLEASANTON, CA
	Facility Address	7850 AMADOR VALLEY BLVD., DUBLIN, CA	Consultant	GETTLER-RYAN, INC. DEANNA L. HARDING
	Global ID	T0600101883 Project 180022.80	Address	6747 SIERRA CT., SUITE J, DUBLIN CA 94568
	Client Contact	MR. DAVID B. DEWITT	Phone	(925) 551-7555 Fax (925) 551-7899
	Phone	916-558-7666	Sample Collected by	Vartkes Tashjian

SAMPLE ID	Number of Containers Matrix	S = Soil W = Water A = Air C = Chertool	Sample Preservation	Date/Time (2400 Hrs)	TPH-GAS/MTBE EPA 8015/8021B	TPH-DIESEL EPA 8015	TPH-DIESEL w/Silica gel EPA 8015	TPH-GAS EPA 8015	TPH-GAS/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	WVOC'S (8010) EPA 8021B	VOC'S (8240) EPA 8260	SVOC'S EPA 8270	Remarks
QA	1	W	HCl	7/28/03					X									Run-Silica Gel Cleanup on Diesel hits.
U-1	4	"	"	1250		X			X	X								
U-2	4	"	"	1210		X			X	X								
U-3	4	"	"	1130		X			X	X								
MW-4	4	"	"	1050		X			X	X								
MW-5	4	"	"	1010		X			X	X								

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

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	10/15	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 72 Hrs. 5 Days 10 Days As Contracted
<i>Vartkes Tashjian</i>	G-R	7/28/03	<i>David Cho</i>	G-R	7/28/03	10/15	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	10/15	
<i>David Cho</i>	G-R	7/29/03	<i>David Cho</i>	W-C	7-29-03	10/15	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Date/Time	10/15		
<i>David Cho</i>	W-C	7-29-03	<i>Chowley</i>	7/29/03	10/15		

**Gettler Ryan**

August 18, 2003

6747 Sierra Court Suite J  
Dublin, CA 94568

Attn.: Deanna Harding

Project#: 180022.80

Project: Conoco #7176

Site: 7850 Amador Valley Blvd., Dublin, CA

Dear Ms. Harding,

Attached is our report for your samples received on 07/29/2003 10:15

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

Please note that any unused portion of the samples will be discarded after 09/12/2003 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](mailto: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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
QA	07/28/2003	Water	1
U-1	07/28/2003 12:50	Water	2
U-2	07/28/2003 12:10	Water	3
U-3	07/28/2003 11:30	Water	4
MW-4	07/28/2003 10:50	Water	5
MW-5	07/28/2003 10:10	Water	6

**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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 5030B      Test(s): 8260FAB  
 Sample ID: QA      Lab ID: 2003-07-0856 - 1  
 Sampled: 07/28/2003      Extracted: 8/7/2003 21:12  
 Matrix: Water      QC Batch#: 2003/08/07-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/07/2003 21:12	
Benzene	ND	0.50	ug/L	1.00	08/07/2003 21:12	
Toluene	ND	0.50	ug/L	1.00	08/07/2003 21:12	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2003 21:12	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2003 21:12	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/07/2003 21:12	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	110.4	76-114	%	1.00	08/07/2003 21:12	
Toluene-d8	101.9	88-110	%	1.00	08/07/2003 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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 5030B Test(s): 8260FAB  
 Sample ID: U-1 Lab ID: 2003-07-0856 - 2  
 Sampled: 07/28/2003 12:50 Extracted: 8/9/2003 12:30  
 Matrix: Water QC Batch#: 2003/08/09-1A.64  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7100	250	ug/L	5.00	08/09/2003 12:30	g
Benzene	ND	2.5	ug/L	5.00	08/09/2003 12:30	
Toluene	ND	2.5	ug/L	5.00	08/09/2003 12:30	
Ethylbenzene	12	2.5	ug/L	5.00	08/09/2003 12:30	
Total xylenes	ND	5.0	ug/L	5.00	08/09/2003 12:30	
tert-Butyl alcohol (TBA)	ND	500	ug/L	5.00	08/09/2003 12:30	
Methyl tert-butyl ether (MTBE)	13	10	ug/L	5.00	08/09/2003 12:30	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	08/09/2003 12:30	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	08/09/2003 12:30	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	08/09/2003 12:30	
1,2-DCA	ND	10	ug/L	5.00	08/09/2003 12:30	
EDB	ND	10	ug/L	5.00	08/09/2003 12:30	
Ethanol	ND	2500	ug/L	5.00	08/09/2003 12:30	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	116.8	76-114	%	5.00	08/09/2003 12:30	sh
Toluene-d8	96.5	88-110	%	5.00	08/09/2003 12:30	



**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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: U-3

Lab ID: 2003-07-0856 - 4

Sampled: 07/28/2003 11:30

Extracted: 8/7/2003 21:35

Matrix: Water

QC Batch#: 2003/08/07-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/07/2003 21:35	
Benzene	ND	0.50	ug/L	1.00	08/07/2003 21:35	
Toluene	ND	0.50	ug/L	1.00	08/07/2003 21:35	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2003 21:35	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2003 21:35	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	08/07/2003 21:35	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	08/07/2003 21:35	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/07/2003 21:35	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/07/2003 21:35	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/07/2003 21:35	
1,2-DCA	ND	2.0	ug/L	1.00	08/07/2003 21:35	
EDB	ND	2.0	ug/L	1.00	08/07/2003 21:35	
Ethanol	ND	500	ug/L	1.00	08/07/2003 21:35	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	113.9	76-114	%	1.00	08/07/2003 21:35	
Toluene-d8	99.9	88-110	%	1.00	08/07/2003 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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 5030B

Test(s): 8260FAB

Sample ID: MW-5

Lab ID: 2003-07-0856 - 6

Sampled: 07/28/2003 10:10

Extracted: 8/7/2003 23:47

Matrix: Water

QC Batch#: 2003/08/07-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/07/2003 23:47	
Benzene	ND	0.50	ug/L	1.00	08/07/2003 23:47	
Toluene	ND	0.50	ug/L	1.00	08/07/2003 23:47	
Ethylbenzene	ND	0.50	ug/L	1.00	08/07/2003 23:47	
Total xylenes	ND	1.0	ug/L	1.00	08/07/2003 23:47	
tert-Butyl alcohol (TBA)	ND	100	ug/L	1.00	08/07/2003 23:47	
Methyl tert-butyl ether (MTBE)	3.4	2.0	ug/L	1.00	08/07/2003 23:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/07/2003 23:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/07/2003 23:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/07/2003 23:47	
1,2-DCA	ND	2.0	ug/L	1.00	08/07/2003 23:47	
EDB	ND	2.0	ug/L	1.00	08/07/2003 23:47	
Ethanol	ND	500	ug/L	1.00	08/07/2003 23:47	
<b>Surrogates(s)</b>						
1,2-Dichloroethane-d4	113.3	76-114	%	1.00	08/07/2003 23:47	
Toluene-d8	101.6	88-110	%	1.00	08/07/2003 23:47	

**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: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 5030B  
Method Blank

Water

Test(s): 8260FAB  
QC Batch # 2003/08/07-2B.64

MB: 2003/08/07-2B.64-050

Date Extracted: 08/07/2003 20:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/07/2003 20:50	
Benzene	ND	0.5	ug/L	08/07/2003 20:50	
Toluene	ND	0.5	ug/L	08/07/2003 20:50	
Ethylbenzene	ND	0.5	ug/L	08/07/2003 20:50	
Total xylenes	ND	1.0	ug/L	08/07/2003 20:50	
tert-Butyl alcohol (TBA)	ND	100	ug/L	08/07/2003 20:50	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/07/2003 20:50	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/07/2003 20:50	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/07/2003 20:50	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/07/2003 20:50	
1,2-DCA	ND	2.0	ug/L	08/07/2003 20:50	
EDB	ND	2.0	ug/L	08/07/2003 20:50	
Ethanol	ND	500	ug/L	08/07/2003 20:50	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	115.4	76-114	%	08/07/2003 20:50	
Toluene-d8	102.2	88-110	%	08/07/2003 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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/08/09-1A.64-002

Water

Test(s): 8260FAB

QC Batch # 2003/08/09-1A.64

Date Extracted: 08/09/2003 12:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/09/2003 12:02	
Benzene	ND	0.5	ug/L	08/09/2003 12:02	
Toluene	ND	0.5	ug/L	08/09/2003 12:02	
Ethylbenzene	ND	0.5	ug/L	08/09/2003 12:02	
Total xylenes	ND	1.0	ug/L	08/09/2003 12:02	
tert-Butyl alcohol (TBA)	ND	100	ug/L	08/09/2003 12:02	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	08/09/2003 12:02	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/09/2003 12:02	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/09/2003 12:02	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/09/2003 12:02	
1,2-DCA	ND	2.0	ug/L	08/09/2003 12:02	
EDB	ND	2.0	ug/L	08/09/2003 12:02	
Ethanol	ND	500	ug/L	08/09/2003 12:02	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	104.2	76-114	%	08/09/2003 12:02	
Toluene-d8	97.6	88-110	%	08/09/2003 12:02	

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan  
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Dublin, CA 94568  
Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/08/07-2B.64**

LCS 2003/08/07-2B.64-006

Extracted: 08/07/2003

Analyzed: 08/07/2003 20:06

LCSD 2003/08/07-2B.64-028

Extracted: 08/07/2003

Analyzed: 08/07/2003 20:28

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	29.6	24.4	25	118.4	97.6	19.3	69-129	20		
Toluene	27.0	25.2	25	108.0	100.8	6.9	70-130	20		
Methyl tert-butyl ether (MTBE)	26.4	24.5	25	105.6	98.0	7.5	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	545	538	500	109.0	107.6		76-114			
Toluene-d8	488	467	500	97.6	93.4		88-110			

08/11/2003 16:15

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/08/09-1A.64**

LCS 2003/08/09-1A.64-018

Extracted: 08/09/2003

Analyzed: 08/09/2003 11:18

LCSD 2003/08/09-1A.64-040

Extracted: 08/09/2003

Analyzed: 08/09/2003 11:40

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	27.0	26.4	25	108.0	105.6	2.2	69-129	20		
Toluene	25.9	25.8	25	103.6	103.2	0.4	70-130	20		
Methyl tert-butyl ether (MTBE)	24.9	25.5	25	99.6	102.0	2.4	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	521	548	500	104.2	109.6		76-114			
Toluene-d8	486	493	500	97.2	98.6		88-110			

**Gas/BTEX Fuel Oxygenates by 8260B**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260FAB

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2003/08/07-2B.64**

U-3 >> MS

Lab ID: 2003-07-0856 - 004

MS: 2003/08/07-2B.64-057

Extracted: 08/07/2003

Analyzed: 08/07/2003 21:57

Dilution: 1.00

MSD: 2003/08/07-2B.64-019

Extracted: 08/07/2003

Analyzed: 08/07/2003 22:19

Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	27.3	26.6	ND	25	109.2	106.4	2.6	69-129	20		
Toluene	26.2	26.2	ND	25	104.8	104.8	0.0	70-130	20		
Methyl tert-butyl ether	27.6	27.9	ND	25	110.4	111.6	1.1	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	543	547		500	108.6	109.3		76-114			
Toluene-d8	465	469		500	93.1	93.7		88-110			

Severn Trent Laboratories, Inc.

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

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

08/11/2003 16:15

Page 12 of 13

**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: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley 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.

sh

Surrogate recovery was higher than QC limit due to matrix interference.

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
U-1	07/28/2003 12:50	Water	2
U-2	07/28/2003 12:10	Water	3
U-3	07/28/2003 11:30	Water	4
MW-4	07/28/2003 10:50	Water	5
MW-5	07/28/2003 10:10	Water	6



**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M

Test(s): 8015M

Sample ID: U-1

Lab ID: 2003-07-0856 - 2

Sampled: 07/28/2003 12:50

Extracted: 8/7/2003 08:58

Matrix: Water

QC Batch#: 2003/08/07-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2100	50	ug/L	1.00	08/08/2003 04:39	ndp
<b>Surrogates(s)</b> o-Terphenyl	91.0	60-130	%	1.00	08/08/2003 04:39	

**Diesel**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M      Test(s): 8015M  
Sample ID: U-2      Lab ID: 2003-07-0856 - 3  
Sampled: 07/28/2003 12:10      Extracted: 8/7/2003 08:58  
Matrix: Water      QC Batch#: 2003/08/07-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1300	50	ug/L	1.00	08/08/2003 05:10	ndp
<b>Surrogates(s)</b> o-Terphenyl	92.5	60-130	%	1.00	08/08/2003 05:10	

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M      Test(s): 8015M  
 Sample ID: U-3      Lab ID: 2003-07-0856 - 4  
 Sampled: 07/28/2003 11:30      Extracted: 8/7/2003 08:58  
 Matrix: Water      QC Batch#: 2003/08/07-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/08/2003 05:10	
<b>Surrogates(s)</b> o-Terphenyl	87.2	60-130	%	1.00	08/08/2003 05:10	

**Diesel**

Gettler Ryan  
Attr.: Deanna Harding

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

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-4	Lab ID: 2003-07-0856 - 5
Sampled: 07/28/2003 10:50	Extracted: 8/7/2003 08:58
Matrix: Water	QC Batch#: 2003/08/07-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	110	50	ug/L	1.00	08/08/2003 09:53	ndp
<b>Surrogates(s)</b> o-Terphenyl	80.8	60-130	%	1.00	08/08/2003 09:53	

**Diesel**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M	Test(s): 8015M
Sample ID: MW-5	Lab ID: 2003-07-0856 - 6
Sampled: 07/28/2003 10:10	Extracted: 8/7/2003 08:58
Matrix: Water	QC Batch#: 2003/08/07-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/08/2003 10:24	
<b>Surrogates(s)</b> o-Terphenyl	87.5	60-130	%	1.00	08/08/2003 10:24	

**Diesel**

Gettler Ryan  
Attn.: Deanna Harding

6747 Sierra Court Suite J  
Dublin, CA 94568  
Phone: (925) 551-7444 Fax: (925) 551-7899  
Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 3510/8015M  
Method Blank  
MB: 2003/08/07-01.10-001

Water

Test(s): 8015M  
QC Batch # 2003/08/07-01.10  
Date Extracted: 08/07/2003 08:58

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/08/2003 08:21	
<b>Surrogates(s)</b> o-Terphenyl	90.3	60-130	%	08/08/2003 08:21	

**Diesel**

Gettler Ryan  
Attn.: Deanna Harding

6747 Sierra Court Suite J  
Dublin, CA 94568  
Phone: (925) 551-7444 Fax: (925) 551-7899  
Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/08/07-01.10**

LCS 2003/08/07-01.10-002

Extracted: 08/07/2003

Analyzed: 08/08/2003 08:52

LCSD 2003/08/07-01.10-003

Extracted: 08/07/2003

Analyzed: 08/08/2003 09:22

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	923	898	1000	92.3	89.8	2.7	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.6	19.5	20.0	97.8	97.6		60-130	0		

**Diesel**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

---

**Legend and Notes**

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard



**Diesel with Silica Gel clean-up**

Gettler Ryan

Attn.: Deanna Harding

6747 Sierra Court Suite J

Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
U-1	07/28/2003 12:50	Water	2
U-2	07/28/2003 12:10	Water	3
MW-4	07/28/2003 10:50	Water	5

**Diesel with Silica Gel clean-up**

Gettler Ryan  
Attn.: Deanna Harding

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

Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M      Test(s): 8015M  
Sample ID: U-1      Lab ID: 2003-07-0856 - 2  
Sampled: 07/28/2003 12:50      Extracted: 8/22/2003 05:12  
Matrix: Water      QC Batch#: 2003/08/22-03.10  
Analysis Flag: HT ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1200	50	ug/L	1.00	08/24/2003 10:05	
<b>Surrogate(s)</b> o-Terphenyl	55.2	60-130	%	1.00	08/24/2003 10:05	sl

**Diesel with Silica Gel clean-up**

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Project: 180022.80  
Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M                      Test(s): 8015M  
Sample ID: U-2                              Lab ID: 2003-07-0856 - 3  
Sampled: 07/28/2003 12:10              Extracted: 8/22/2003 05:12  
Matrix: Water                                QC Batch#: 2003/08/22-03.10  
Analysis Flag: HT ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	710	50	ug/L	1.00	08/24/2003 10:35	ndp
<b>Surrogate(s)</b> o-Terphenyl	64.0	60-130	%	1.00	08/24/2003 10:35	

**Diesel with Silica Gel clean-up**

Gettler Ryan

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Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

Prep(s): 3510/8015M      Test(s): 8015M  
 Sample ID: MW-4      Lab ID: 2003-07-0856 - 5  
 Sampled: 07/28/2003 10:50      Extracted: 8/22/2003 05:12  
 Matrix: Water      QC Batch#: 2003/08/22-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	130	50	ug/L	1.00	08/23/2003 20:12	ndp
<b>Surrogate(s)</b> o-Terphenyl	73.1	60-130	%	1.00	08/23/2003 20:12	

**Diesel with Silica Gel clean-up**

Gettler Ryan

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Dublin, CA 94568

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Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 3510/8015M

Method Blank

MB: 2003/08/22-03.10-001

Water

Test(s): 8015M

QC Batch # 2003/08/22-03.10

Date Extracted: 08/22/2003 05:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/23/2003 06:28	
<b>Surrogates(s)</b> o-Terphenyl	71.2	60-130	%	08/23/2003 06:28	

**Diesel with Silica Gel clean-up**

Gettler Ryan

Attn.: Deanna Harding

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Dublin, CA 94568

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

Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

**Batch QC Report**

Prep(s): 3510/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/08/22-03.10**

LCS 2003/08/22-03.10-002

Extracted: 08/22/2003

Analyzed: 08/23/2003 06:58

LCSD 2003/08/22-03.10-003

Extracted: 08/22/2003

Analyzed: 08/23/2003 07:29

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	768	633	1000	76.8	63.3	19.3	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.2	14.1	20.0	85.9	70.7		60-130	0		

**Diesel with Silica Gel clean-up**

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Project: 180022.80

Conoco #7176

Received: 07/29/2003 10:15

Site: 7850 Amador Valley Blvd., Dublin, CA

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**Legend and Notes**

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**Report Comment**

Due to a laboratory error, samples U-1, U-2 and MW-4 were analyzed for TPH-Diesel with silica gel cleanup past the recommended hold time.

**Analysis Flag**

HT

Extracted out of holding time

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.