

20-284



# GETTLER-RYAN INC.

## TRANSMITTAL

October 29, 2002

G-R #386462

Alameda County  
NOV 20 2002  
Environmental Health

TO: Mr. James Brownell  
Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Suite 200  
Rancho Cordova, California 95670

CC: Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

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

RE: Chevron Service Station  
#9-0121  
3026 Lakeshore Avenue  
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 10, 2002	Groundwater Monitoring and Sampling Report Third Quarter - Event of September 3, 2002

### COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **November 11, 2002**, at which time the final report will be distributed to the following:

cc: Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-0121-KS



# GETTLER - RYAN INC.

October 10, 2002  
G-R Job #386462

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Third Quarter Event of September 3, 2002**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

Dear Ms. Streich:


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 the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1. Dissolved Oxygen concentrations are presented in Table 2.

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. The chain of custody document and laboratory analytical report are also attached.

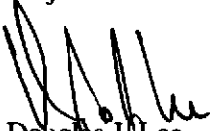
Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,



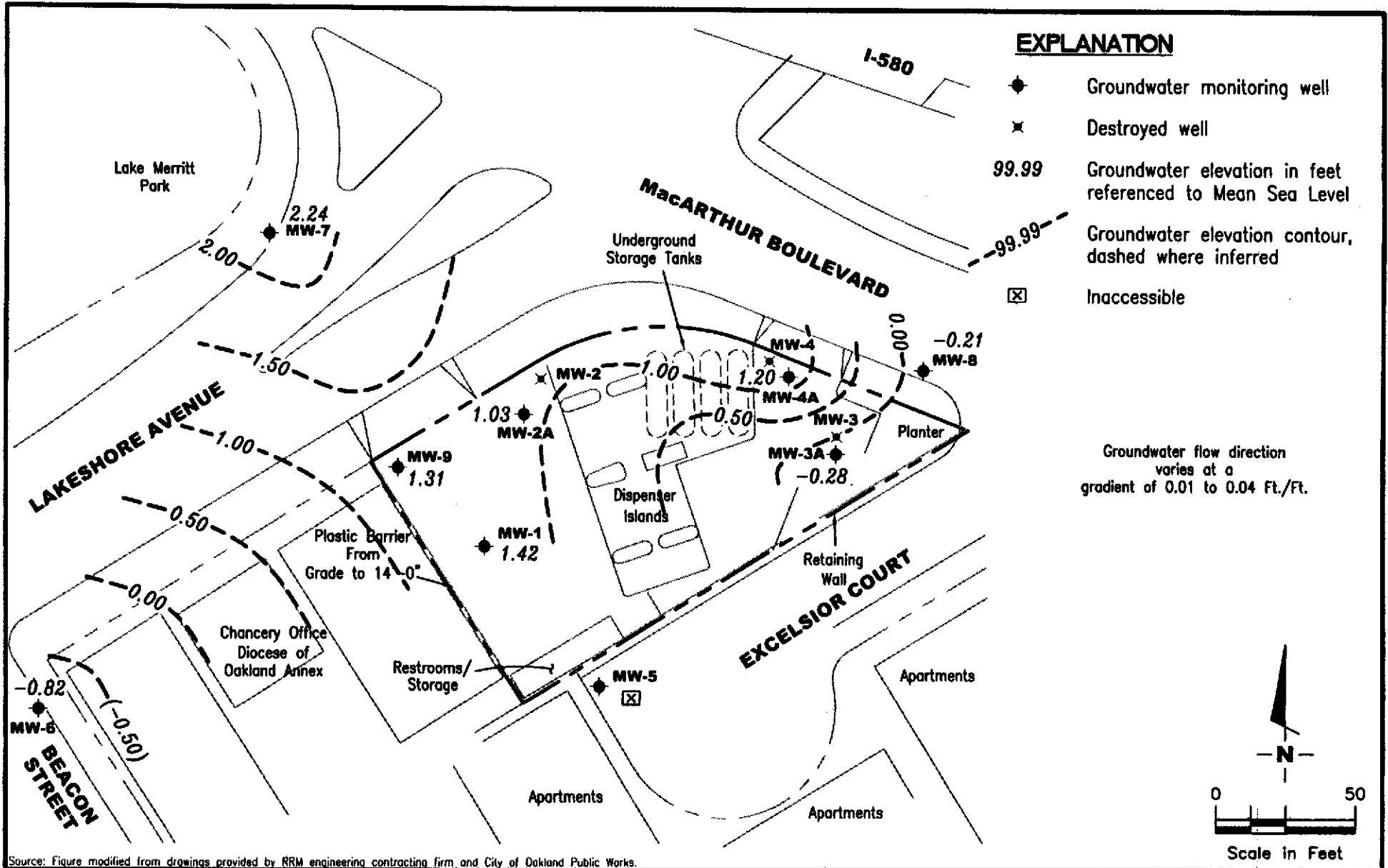
- FOR -

Deanna L. Harding  
Project Coordinator



Douglas J. Lee  
Senior Geologist, R.G. No. 6882

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



Source: Figure modified from drawings provided by RRM engineering contracting firm and City of Oakland Public Works.

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

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-0121  
 3026 Lakeshore Avenue  
 Oakland, California

FIGURE

1

PROJECT NUMBER  
 386462

REVIEWED BY

DATE  
 September 3, 2002

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH			B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)						
<b>MW-1</b>													
08/20/91	6.82	1.62	5.20	--	--	260	5,100	1,700	21	220	34	--	--
09/30/91	6.82	1.15	5.67	Sheen	--	--	--	--	--	--	--	--	--
10/28/91	6.82	1.50	5.30	0.03	--	--	--	--	--	--	--	--	--
01/08/92	6.82	1.67	5.15	Sheen	--	4,400	5,400	770	13	95	31	--	--
01/13/92	6.82	--	--	--	--	--	--	--	--	--	--	--	--
06/23/92	6.89	1.48	5.41	--	--	2,000	7,700	1,500	40	230	100	--	--
08/24/92	6.89	1.12	5.77	--	--	--	--	--	--	--	--	--	--
09/21/92	6.89	1.00	5.89	--	--	<50	3,500	1,700	28	190	78	--	--
10/26/92	6.89	0.95	5.94	--	--	--	--	--	--	--	--	--	--
12/23/92	6.89	2.18	4.71	--	--	5,500	60,000	7,100	240	2,000	1,300	--	--
01/08/93	6.89	--	--	--	--	--	--	--	--	--	--	--	--
03/25/93	6.89	2.17	4.72	--	--	<10	530	1,100	41	67	79	--	--
06/11/93	6.89	5.37	5.07	--	--	--	7,000	1,900	33	120	69	9,600	840
09/29/93	6.89	1.13	5.76	--	--	<10	6,600	1,600	28	43	74	--	--
12/20/93	6.89	1.74	5.15	--	--	<10	6,300	1,900	36	82	65	--	--
03/07/94	6.89	2.21	4.68	--	--	<10	7,700	1,100	55	66	38	12,000	--
06/17/94	6.89	1.83	5.06	--	--	2,200	4,300	710	12	90	38	--	--
09/12/94	6.89	1.24	5.65	--	--	2,500	6,400	1,500	<25	180	<25	12,000	--
11/30/94	6.89	2.32	4.57	--	--	2,300 <sup>1</sup>	4,900	690	26	97	60	3,900	--
03/24/95	6.89	3.91	2.98	--	--	1,400 <sup>2</sup>	1,800	160	7.3	11	14	1,300	--
06/27/95	6.89	1.87	5.02	--	--	2,300 <sup>2</sup>	4,600	1,300	11	97	13	5,100	--
09/28/95	6.89	1.59	5.30	--	--	3,900 <sup>2</sup>	6,600	1,500	<20	<20	<20	5,800	--
12/19/95	6.89	2.21	4.68	--	--	2,600 <sup>2</sup>	3,800	930	<10	100	<10	6,300	--
02/28/96	6.89	3.27	3.62	--	--	1,800 <sup>2</sup>	3,600	280	<5.0	18	5.5	2,200	--
06/25/96	6.89	1.87	5.02	--	--	3,000	4,700	1,600	36	150	31	3,000	--
12/17/96	6.89	2.23	4.66	--	--	2,700 <sup>3</sup>	7,800	1,000	28	340	63	1,200	--
03/31/97	6.89	2.01	4.88	--	--	2,200 <sup>2</sup>	5,300	590	55	210	53	950	--
06/30/97	6.89	1.32	5.57	--	--	2,200 <sup>2</sup>	4,400	350	<10	<10	11	580	--
09/12/97	6.89	1.56	5.33	--	--	2,300 <sup>2</sup>	3,400	220	9.5	15	11	460	--
12/05/97	6.89	2.44	4.45	--	--	1,900 <sup>2</sup>	4,700	870	21	120	18	750	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121-  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				SPHT (ft.)	REMOVED (gallons)								
<b>MW-1 (cont)</b>													
02/16/98	6.89	3.52	3.37	--	--	1,600 <sup>2</sup>	4,400	120	12	11	7.7	270	--
06/17/98	6.89	2.24	4.65	--	--	1,300 <sup>2</sup>	7,800	<25	50	34	650	650	--
08/31/98	6.89	1.70	5.19	--	--	2,400 <sup>2</sup>	3,700	620	17	120	31	380	--
12/28/98	6.89	1.94	4.95	--	--	1,500 <sup>2</sup>	3,800	250	14	28	15	330	--
03/04/99	6.89	3.24	3.65	--	--	1,070 <sup>2</sup>	1,560	17.9	<0.5	4.17	1.05	70.4	--
06/14/99	6.89	1.89	5.00	--	--	2,500 <sup>2</sup>	<10,000	820	240	320	640	<500	--
09/17/99	6.89	0.30	6.59	--	--	2,110 <sup>2</sup>	3,300	141	12.3	<10	<10	238	--
12/20/99	6.89	1.92	4.97	--	--	1,840 <sup>2</sup>	2,990	218	16.3	20	<10	232	--
03/20/00	6.89	3.11	3.78	--	--	938 <sup>2</sup>	1,340	20	3.07	1.87	1.87	29.1	--
06/24/00 <sup>5</sup>	6.89	2.45	4.44	0.00	0.00	1,680 <sup>9</sup>	1,500 <sup>7</sup>	12	5.3	<2.5	7.9	190	--
09/07/00 <sup>5</sup>	6.89	1.74	5.15	0.00	0.00	1,500 <sup>9</sup>	3,100 <sup>7</sup>	190	13	14	<10	210	--
12/05/00 <sup>5</sup>	6.89	2.16	4.73	0.00	0.00	970 <sup>13</sup>	2,140 <sup>14</sup>	248	<5.00	20.5	<5.00	<25.0	--
03/01/01 <sup>5</sup>	6.89	3.33	3.56	0.00	0.00	610 <sup>9</sup>	1,000 <sup>7</sup>	21	<10	<10	<10	280	--
06/04/01 <sup>5</sup>	6.89	2.13	4.76	0.00	0.00	1,100 <sup>9</sup>	2,800 <sup>7</sup>	310	23	11	15	470	--
09/10/01 <sup>5</sup>	6.89	1.28	5.61	0.00	0.00	2,600	2,500 <sup>16</sup>	<20	26	<20	<20	310	--
12/03/01 <sup>5</sup>	6.89	3.31	3.58	0.00	0.00	2,700	2,400	30	7.3	7.0	6.5	160	--
03/04/02 <sup>5</sup>	6.89	2.36	4.53	0.00	0.00	2,700	3,300	120	17	22	9.0	110	--
05/30/02 <sup>5</sup>	6.89	2.41	4.48	0.00	0.00	2,700	4,100	110	9.3	22	11	100	--
09/03/02 <sup>5</sup>	6.89	1.42	5.47	0.00	0.00	2,900	3,700	<5.0	7.8	3.2	10	130	--
<b>MW-2</b>													
08/20/91	6.27	1.92	4.35	--	--	600	9,300	3,700	55	530	75	--	--
09/30/91	6.27	1.28	4.99	--	--	--	3,500	2,600	47	440	68	--	--
10/28/91	6.27	1.36	4.91	--	--	--	4,600	1,800	29	290	53	--	--
01/08/92	6.27	1.63	4.64	Sheen	--	--	14,000	4,300	70	<25	130	--	--
01/13/92	6.27	--	--	--	--	38,000	--	--	--	--	--	--	--
06/23/92	6.27	1.63	4.64	0.02	--	--	--	--	--	--	--	--	--
08/24/92	6.27	1.34	4.94	0.02	--	--	--	--	--	--	--	--	--
09/21/92	6.27	1.20	5.08	0.01	--	--	--	--	--	--	--	--	--
10/26/92	6.27	0.34	5.93	--	--	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
MW-2 (cont)													
12/23/92	6.27	--	--	--	--	160,000	21,000	5,400	59	1,300	160	--	--
01/08/93	6.27	2.57	3.70	--	--	--	--	--	--	--	--	--	--
03/25/93	6.27	2.89	3.38	Sheen	--	--	--	--	--	--	--	--	--
06/11/93	6.27	2.09	4.18	--	--	--	5,900	1,100	23	240	51	--	2,300
09/29/93	6.27	0.07	6.20	--	--	--	--	--	--	--	--	--	--
12/20/93	6.27	1.94	4.35	0.02	--	--	--	--	--	--	--	--	--
03/07/94	6.27	2.60	3.67	--	--	<10	26,000	5,700	170	1,000	150	--	--
06/17/94	6.27	2.25	4.02	Sheen	--	--	--	--	--	--	--	--	--
09/12/94	6.27	1.45	4.83	0.01	--	--	--	--	--	--	--	--	--
11/30/94	6.27	2.27	4.00	--	--	INACCESSIBLE		--	--	--	--	--	--
03/24/95	6.27	2.73	4.01	0.59	--	--	--	--	--	--	--	--	--
06/27/95	6.27	1.71	4.96	0.50	0.013	--	--	--	--	--	--	--	--
09/28/95	6.27	2.62	4.25	0.75	0.013	--	--	--	--	--	--	--	--
12/19/95	6.27	1.99	4.76	0.60	0.010	--	--	--	--	--	--	--	--
02/28/96	6.27	1.99	4.58	0.38	0.008	--	--	--	--	--	--	--	--
06/25/96	6.27	2.36	4.29	0.47	0.030	--	--	--	--	--	--	--	--
12/17/96	6.27	2.22	4.16	0.14	--	--	--	--	--	--	--	--	--
03/31/97	6.27	2.34	4.07	0.18	0.030	--	--	--	--	--	--	--	--
06/30/97	6.27	2.06	4.32	0.14	0.030	--	--	--	--	--	--	--	--
09/12/97	6.27	2.00	4.38	0.14	--	--	--	--	--	--	--	--	--
12/05/97	6.27	2.51	3.78	0.02	--	--	--	--	--	--	--	--	--
02/16/98	6.27	3.08	3.29	0.12	0.007	--	--	--	--	--	--	--	--
06/17/98	6.27	2.35	4.00	0.10	0.010	--	--	--	--	--	--	--	--
08/31/98	6.27	0.65	5.71	0.11	0.008	--	--	--	--	--	--	--	--
12/28/98	6.27	1.75	4.60	0.10	0.005	--	--	--	--	--	--	--	--
03/04/99	6.27	2.58	3.73	0.05	0.200	--	--	--	--	--	--	--	--

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**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
<b>MW-2A</b>														
04/19/99	6.53	1.67	4.86	--	--	820 <sup>2</sup>	<2,000	<20	<20	<20	<20	<20	9,200	--
06/14/99	6.53	1.23	5.30	--	--	2,000 <sup>2</sup>	<5,000	89	<50	66	<50	<50	10,000	--
09/17/99	6.53	0.69	5.84	--	--	1,050 <sup>2</sup>	903	42	1.63	22.8	7.74	7.74	11,400	--
12/20/99	6.53	-0.07	6.60	--	--	2,820 <sup>2</sup>	2,280	115	<10	87.2	27.2	27.2	14,000	--
03/20/00	6.53	1.74	4.79	--	--	1,220 <sup>2</sup>	1,040	54.3	<5.0	33.8	12.1	12.1	10,900 <sup>2</sup>	--
06/24/00	6.53	1.28	5.25	0.00	0.00	1,300 <sup>9</sup>	690 <sup>7</sup>	50	2.5	18	9.5	9.5	15,000 <sup>8</sup>	--
09/07/00	6.53	1.09	5.44	0.00	0.00	770 <sup>9</sup>	310 <sup>7</sup>	6.7	1.4	1.6	3.8	3.8	16,000	--
12/05/00	6.53	1.16	5.37	0.00	0.00	810 <sup>13</sup>	414 <sup>14</sup>	32.4	<0.500	7.49	5.96	5.96	8,910 <sup>8</sup>	--
03/01/01	6.53	2.03	4.50	0.00	0.00	590 <sup>9</sup>	370 <sup>7</sup>	30	4.0	12	9.2	9.2	8,200	--
06/04/01	6.53	1.36	5.17	0.00	0.00	930 <sup>9</sup>	<500	19	<5.0	<5.0	<5.0	<5.0	7,800	--
09/10/01	6.53	0.79	5.74	0.00	0.00	2,400	<5,000	<50	<50	<50	<50	<50	9,700	--
12/03/01	6.53	1.46	5.07	0.00	0.00	2,500	480	4.5	<1.0	1.1	<3.0	<3.0	10,000	--
03/04/02	6.53	1.52	5.01	0.00	0.00	2,300	630	5.4	1.5	2.9	2.3	2.3	7,000	--
05/30/02	6.53	1.66	4.87	0.00	0.00	2,100	520	6.1	<1.0	2.6	5.4	5.4	7,100	--
<b>09/03/02</b>	<b>6.53</b>	<b>1.03</b>	<b>5.50</b>	<b>0.00</b>	<b>0.00</b>	<b>2,600</b>	<b>590</b>	<b>7.8</b>	<b>0.98</b>	<b>2.9</b>	<b>7.8</b>	<b>7.8</b>	<b>7,800</b>	<b>--</b>
<b>MW-3</b>														
08/20/91	8.71	0.26	8.45	--	--	200	3,100	200	13	15	12	--	--	--
09/30/91	8.71	-0.03	8.74	--	--	--	1,000	150	8.3	13	6.7	--	--	--
10/28/91	8.71	-0.05	8.76	--	--	--	1,200	120	6.7	11	7.5	--	--	--
01/08/92	8.71	-0.06	8.77	--	--	--	410	120	0.9	4.1	3.4	--	--	--
01/13/92	8.71	--	--	--	--	220	--	--	--	--	--	--	--	--
06/23/92	8.71	0.03	8.68	--	--	<50	630	43	0.8	8.2	3.4	--	--	--
08/24/92	8.71	-0.14	8.85	--	--	--	--	--	--	--	--	--	--	--
09/21/92	8.71	-0.23	8.94	--	--	<50	1,800	730	1.4	66	39	--	--	--
10/26/92	8.71	-0.36	9.07	--	--	--	--	--	--	--	--	--	--	--
12/23/92	8.71	--	--	--	--	850	840	270	3.4	15	4.2	--	--	--
01/08/93	8.71	1.02	7.69	--	--	--	--	--	--	--	--	--	--	--
03/25/93	8.71	0.97	7.74	--	--	<10	760	270	4.0	10	5.0	--	--	--
06/11/93	8.71	0.19	8.52	--	--	--	200	32	1.0	5.0	2.0	--	--	5,600

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)	
<b>MW-3 (cont)</b>														
09/29/93	8.71	2.66	6.05	--	--	--	9,300	2,800	60	270	62	--	--	
12/20/93	8.71	-0.12	8.83	--	--	<10	460	250	4.0	8.0	4.0	--	--	
03/07/94	8.71	0.64	8.07	--	--	<10	2,400	260	13	35	18	--	--	
06/17/94	8.71	0.19	8.52	--	--	<50	1,000	200	4.0	6.6	6.7	--	--	
09/12/94	8.71	-0.21	8.92	--	--	<50	360	130	3.4	4.8	3.3	130	--	
11/30/94	8.71	0.58	8.13	--	--	INACCESSIBLE							--	--
03/24/95	8.71	1.93	6.78	--	--	1,200 <sup>2</sup>	4,100	920	<10	23	<10	70	--	
06/27/95	8.71	0.49	8.22	--	--	1,000 <sup>2</sup>	3,100	640	16	31	<10	<50	--	
09/28/95	8.71	-0.14	8.85	--	--	460 <sup>2</sup>	490	78	3.4	4.4	2.4	38	--	
12/19/95	8.71	0.69	8.02	--	--	650 <sup>2</sup>	2,600	580	<10	25	<10	<50	--	
02/28/96	8.71	1.16	7.55	--	--	780 <sup>2</sup>	1,500	510	<5.0	9.9	<5.0	<25	--	
06/25/96	8.71	0.34	8.37	--	--	1,200 <sup>2</sup>	1,300	390	7.8	14	6.5	31	--	
12/17/96	8.71	0.41	8.30	--	--	1,100 <sup>2</sup>	760	85	<1.2	5.9	5.1	<6.2	--	
03/31/97	8.71	0.52	8.19	--	--	1,300 <sup>2</sup>	2,000	380	12	24	12	<25	--	
06/30/97	8.71	0.00	8.71	--	--	620 <sup>2</sup>	1,900	340	9.9	23	6.1	<25	--	
09/12/97	8.71	1.07	7.64	--	--	400 <sup>2</sup>	1,200	200	4.6	14	4.8	3.9	--	
12/05/97	8.71	0.46	8.25	--	--	190 <sup>2</sup>	460	72	2.7	5.2	1.7	<5.0	--	
02/16/98	8.71	1.71	7.00	--	--	1,000 <sup>2</sup>	6,200	1,100	20	34	12	<50	--	
06/17/98	8.71	0.71	8.00	--	--	1,100 <sup>2</sup>	3,000	350	<10	<10	<10	120	--	
08/31/98	8.71	0.08	8.63	--	--	790 <sup>2</sup>	430	100	2.6	8.6	6.0	<12	--	
12/28/98	8.71	-0.02	8.73	--	--	180 <sup>2</sup>	1,400	220	<10	12	<10	<50	--	
03/04/99	8.71	1.06	7.65	--	--	763 <sup>2</sup>	2,880	355	9.15	19	<5.0	<20	--	
<b>DESTROYED</b>														
<b>MW-3A</b>														
04/19/99	8.70	1.00	7.70	--	--	93 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	
06/14/99	8.70	0.50	8.20	--	--	160 <sup>2</sup>	148	4.55	0.82	0.53	1.1	3.7	--	
09/17/99	8.70	-0.02	8.72	--	--	101 <sup>2</sup>	169	6.02	0.806	0.515	0.786	4.68	--	
12/20/99	8.70	-0.22	8.92	--	--	153 <sup>2</sup>	<50	1.82	<0.5	<0.5	<0.5	11	--	



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
<b>MW-3A (cont)</b>														
03/20/00	8.70	1.06	7.64	--	--	223 <sup>2</sup>	140	5.08	0.695	<0.5	<0.5	10.1	--	--
06/24/00	8.70	0.32	8.38	0.00	0.00	128 <sup>9</sup>	<50	0.74	<0.50	<0.50	<0.50	34	--	--
09/07/00	8.70	-0.09	8.79	0.00	0.00	<50	<50	1.4	<0.50	<0.50	<0.50	15	--	--
12/05/00	8.70	0.02	8.68	0.00	0.00	<50	<50.0	1.39	<0.500	<0.500	<0.500	12.9	--	--
03/01/01	8.70	0.88	7.82	0.00	0.00	66 <sup>11</sup>	<50	1.0	<0.50	<0.50	<0.50	19	--	--
06/04/01	8.70	0.25	8.45	0.00	0.00	69 <sup>9</sup>	<50	2.0	<0.50	<0.50	<0.50	37	--	--
09/10/01	8.70	-0.40	9.10	0.00	0.00	<50	<50	3.9	<0.50	<0.50	<0.50	19	--	--
12/03/01	8.70	0.62	8.08	0.00	0.00	56	<50	<0.50	<0.50	<0.50	<1.5	19	--	--
03/04/02	8.70	-0.24	8.94	0.00	0.00	85	<50	<0.50	<0.50	<0.50	<1.5	26	--	--
05/30/02	8.70	-0.08	8.78	0.00	0.00	210	<50	<0.50	<0.50	<0.50	<1.5	22	--	--
<b>09/03/02</b>	<b>8.70</b>	<b>-0.28</b>	<b>8.98</b>	<b>0.00</b>	<b>0.00</b>	<b>89</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.5</b>	<b>24</b>	--	--
<b>MW-4</b>														
08/20/91	7.37	1.32	5.05	--	--	160	1,800	870	4.0	3.0	9.0	--	--	--
09/30/91	7.37	1.70	5.67	--	--	--	670	830	5.5	2.7	12	--	--	--
10/28/91	7.37	1.56	5.81	--	--	--	2,800	990	5.8	4.8	19	--	--	--
01/08/92	7.37	2.03	5.34	--	--	--	2,900	1,200	10	7.0	18	--	--	--
01/13/92	7.37	--	--	--	--	1,000	--	--	--	--	--	--	--	--
06/23/92	7.37	2.00	5.37	--	--	<50	1,600	380	6.5	3.0	12	--	--	--
08/24/92	7.37	1.62	5.75	--	--	--	--	--	--	--	--	--	--	--
09/21/92	7.37	1.42	5.95	--	--	<50	1,200	480	5.6	3.7	11	--	--	--
10/26/92	7.37	1.41	5.96	--	--	--	--	--	--	--	--	--	--	--
12/23/92	7.37	--	--	--	--	1,800	1,500	700	3.6	3.2	11	--	--	--
01/08/93	7.37	2.73	4.64	--	--	--	--	--	--	--	--	--	--	--
03/25/93	7.37	2.95	4.42	--	--	<10	520	160	3.0	1.0	4.0	--	--	--
06/11/93	7.37	2.25	5.12	--	--	--	1,200	430	5.0	6.0	11	--	--	2,600
09/29/93	7.37	1.57	5.80	--	--	--	1,300	210	8.0	2.0	14	--	--	--
12/20/93	7.37	2.27	5.10	--	--	3,900	570	230	5.0	4.0	8.0	--	--	--
03/07/94	7.37	2.36	5.01	--	--	2,600	2,200	290	18	2.5	11	22,000	--	--
06/17/94	7.37	1.55	5.82	--	--	2,800	2,100	480	11	4.3	9.5	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>MW-4 (cont)</b>													
09/12/94	7.37	1.73	5.64	--	--	3,000	1,700	340	6.1	2.7	9.7	63,000	--
11/30/94	7.37	1.79	5.58	--	--	INACCESSIBLE		--	--	--	--	--	--
03/24/95	7.37	2.42	4.95	--	--	3,000 <sup>2</sup>	1,500	280	<5.0	<5.0	6.9	12,000	--
06/27/95	7.37	-1.42	8.79	--	--	3,100 <sup>2</sup>	<10,000	310	<100	<100	<100	32,000	--
09/28/95	7.37	1.52	5.85	--	--	6,300 <sup>2</sup>	330	64	1.1	<0.5	<0.5	630	--
12/19/95	7.37	1.87	5.50	--	--	3,400 <sup>2</sup>	3,000	520	<25	<25	<25	44,000	--
02/28/96	7.37	2.27	5.10	--	--	4,700 <sup>2</sup>	<10,000	230	<100	<100	<100	32,000	--
06/25/96	7.37	1.59	5.78	--	--	3,100	<10,000	160	<100	<100	<100	31,000	--
12/17/96	7.37	1.42	5.95	--	--	3,600 <sup>3</sup>	<5,000	110	<50	<50	<50	22,000	--
03/31/97	7.37	1.75	5.62	--	--	2,700 <sup>2</sup>	<2,500	130	<25	<25	<25	16,000	--
06/30/97	7.37	1.34	6.03	--	--	2,700 <sup>2</sup>	<2,500	130	<25	<25	<25	14,000	--
09/12/97	7.37	1.68	5.69	--	--	2,100 <sup>2</sup>	<5,000	63	<50	<50	<50	15,000	--
12/05/97	7.37	2.22	5.15	--	--	2,600 <sup>2</sup>	1,300	120	<5.0	<5.0	8.5	15,000	--
02/16/98	7.37	1.11	6.26	--	--	1,300 <sup>2</sup>	1,200	57	4.5	<2.5	7.0	12,000	--
06/17/98	7.37	2.41	4.96	--	--	530 <sup>2</sup>	5,300	390	290	28	150	17,000	--
08/31/98	7.37	1.46	5.91	--	--	2,400 <sup>2</sup>	<50	89	<0.5	<0.5	<0.5	14,000/16,000 <sup>4</sup>	--
12/28/98	7.37	1.96	5.41	--	--	2,900 <sup>2</sup>	1,000	52	5.6	4.6	9.1	8,400	--
03/04/99	7.37	2.17	5.20	--	--	4,490 <sup>2</sup>	<2,500	85.5	40.9	<25	<25	11,400	--
<b>DESTROYED</b>													
<b>MW-4A</b>													
04/19/99	7.69	2.78	4.91	--	--	370 <sup>2</sup>	<500	<5.0	<5.0	<5.0	<5.0	1,600	--
06/14/99	7.69	2.44	5.25	--	--	2,500 <sup>2</sup>	5,360	312	<20	44	<20	2,880	--
09/17/99	7.69	0.32	7.37	--	--	1,430 <sup>2</sup>	1,290	38.6	<5.0	7.01	<5.0	1,780	--
12/20/99	7.69	1.39	6.30	--	--	7,480 <sup>2</sup>	852	43.5	4.63	9.18	4.36	1,070	--
03/20/99	7.69	2.07	5.62	--	--	1,280 <sup>2</sup>	1,370	129	8.6	18.3	7.3	2,110	--
06/24/00	7.69	1.57	6.12	0.00	0.00	1,190 <sup>9</sup>	190 <sup>7</sup>	1.4	1.7	1.7	3.3	3,900 <sup>7</sup>	--
09/07/00	7.69	1.43	6.26	0.00	0.00	740 <sup>9</sup>	490 <sup>7</sup>	15	1.9	1.1	3.9	3,300	--
12/05/00	7.69	1.70	5.99	0.00	0.00	560 <sup>12</sup>	<500	<5.00	<5.00	<5.00	<5.00	3,380 <sup>8</sup>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
<b>MW-4A (cont)</b>														
03/01/01	7.69	2.01	5.68	0.00	0.00	600 <sup>9</sup>	<1,000	10	<10	<10	<10	<10	4,600	--
06/04/01	7.69	1.09	6.60	0.00	0.00	770 <sup>9</sup>	390 <sup>15</sup>	8.4	3.8	<2.5	3.0	3,800	--	
09/10/01	7.69	1.12	6.57	0.00	0.00	810	<500	13	<5.0	22	<5.0	4,900	--	
12/03/01	7.69	1.74	5.95	0.00	0.00	2,100	<250	1.5	<1.0	<1.0	<3.0	3,800	--	
03/04/02	7.69	-1.19	8.88	0.00	0.00	2,400	2,500	49	6.8	21	9.5	2,600	--	
05/30/02	7.69	1.49	6.20	0.00	0.00	2,600	430	4.6	<1.0	2.0	<3.0	3,700	--	
<b>09/03/02</b>	<b>7.69</b>	<b>1.20</b>	<b>6.49</b>	<b>0.00</b>	<b>0.00</b>	<b>3,200</b>	<b>&lt;500</b>	<b>4.5</b>	<b>&lt;2.0</b>	<b>3.5</b>	<b>7.5</b>	<b>3,800</b>	<b>--</b>	
<b>MW-5</b>														
06/23/92	14.14	1.90	12.24	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	
08/24/92	14.14	1.85	12.29	--	--	--	--	--	--	--	--	--	--	
09/21/92	14.14	1.68	12.46	--	--	60	<50	<0.5	<0.5	<0.5	<0.5	--	--	
10/26/92	14.14	1.62	12.52	--	--	--	--	--	--	--	--	--	--	
12/23/92	14.14	3.02	11.12	--	--	--	--	--	--	--	--	--	--	
01/08/93	14.14	--	--	--	--	--	--	--	--	--	--	--	--	
03/25/93	14.14	4.40	9.74	--	--	<10	<50	<0.5	<0.5	<0.5	0.9	--	--	
06/11/93	14.14	3.70	10.44	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	770	
09/29/93	14.14	2.22	11.92	--	--	<10	<50	<0.5	0.6	<0.5	0.6	--	--	
12/20/93	14.14	--	--	--	--	--	--	--	--	--	--	--	--	
03/07/94	14.14	2.80	11.34	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	
06/17/94	14.14	2.87	11.27	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	
09/12/94	14.14	1.28	12.86	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
11/30/94	14.14	2.23	11.91	--	--	99 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	
03/24/95	14.14	4.38	9.76	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	
06/27/95	14.14	2.74	11.40	--	--	55 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	
09/28/95	14.14	2.24	11.90	--	--	300 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	
12/19/95	14.14	1.56	12.58	--	--	53 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	
02/28/96	14.14	2.44	11.70	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
06/25/96	14.14	2.71	11.43	--	--	120 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	36	--	
12/17/96	14.14	2.74	11.40	--	--	89 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>MW-5 (cont)</b>													
03/31/97	14.14	2.04	12.10	--	--	150 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/30/97	14.14	1.36	12.78	--	--	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/12/97	14.14	0.46	13.68	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/05/97	14.14	1.11	13.03	--	--	--	--	--	--	--	--	--	--
02/16/98	14.14	4.17	9.97	--	--	62 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/17/98	14.14	2.29	11.85	--	--	--	--	--	--	--	--	--	--
08/31/98	14.14	1.32	12.82	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/28/98	14.14	0.71	13.43	--	--	--	--	--	--	--	--	--	--
03/04/99	14.14	0.39	13.75	--	--	70.5	<50	<0.5	<0.5	<0.5	<0.5	3.34	--
06/14/99	14.14	0.04	14.10	--	--	--	--	--	--	--	--	--	--
09/17/99	14.14	-0.04	14.18	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/20/99	14.14	0.44	13.70	--	--	--	--	--	--	--	--	--	--
03/20/00	14.14	1.50	12.64	--	--	115 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/24/00	14.14	1.10	13.04	0.00	0.00	--	--	--	--	--	--	--	--
09/07/00	14.14	0.97	13.17	0.00	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	5.0	--
12/05/00	14.14	2.86	11.28	0.00	0.00	--	--	--	--	--	--	--	--
03/01/01	14.14	3.84	10.30	0.00	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
06/04/01	14.14	2.83	11.31	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/10/01	14.14	1.98	12.16	0.00	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/03/01	14.14	5.52	8.62	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
03/04/02	14.14	4.29	9.85	0.00	0.00	78	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/30/02	14.14	3.31	10.83	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/03/02	14.14	<b>INACCESSIBLE - CAR PARKED OVER WELL</b>					--	--	--	--	--	--	--
<b>MW-6</b>													
06/23/92	4.46	-0.68	5.14	--	--	120	<50	4.3	<0.5	0.8	0.9	--	--
08/24/92	4.46	-0.49	4.95	--	--	--	--	--	--	--	--	--	--
09/21/92	4.46	-0.44	4.90	--	--	<50	<250	<2.5	<2.5	<2.5	<2.5	--	--
10/26/92	4.46	-1.06	5.52	--	--	--	--	--	--	--	--	--	--
12/23/92	4.46	-0.94	5.40	--	--	81	<50	<0.5	<0.5	<0.5	<0.5	--	--

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**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
MW-6 (cont)														
01/08/93	4.46	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/93	4.46	-1.64	6.10	--	--	<10	<50	<0.5	<0.5	<0.5	0.7	--	--	--
06/11/93	4.46	-2.10	6.56	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	15,000
09/29/93	4.46	-0.71	5.17	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/20/93	4.46	-1.47	5.93	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/07/94	4.46	-0.81	5.27	--	--	<10	54	<0.5	<0.5	<0.5	0.6	--	--	--
06/17/94	4.46	--	--	--	--	--	--	--	--	--	--	--	--	--
09/12/94	4.46	-0.64	5.10	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--
11/30/94	4.46	-1.12	5.58	--	--	800 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/24/95	4.46	-1.87	6.33	--	--	490 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/27/95	4.46	-3.74	8.20	--	--	300 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/28/95	4.46	-0.19	4.65	--	--	1,200 <sup>2</sup>	120	1.1	<0.5	<0.5	<0.5	--	--	--
12/19/95	4.46	-1.58	6.04	--	--	820 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
02/28/96	4.46	-1.54	6.00	--	--	270 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/25/96	4.46	-1.71	6.17	--	--	750 <sup>2</sup>	97	<0.5	<0.5	<0.5	0.71	<2.5	--	--
12/17/96	4.46	-1.67	6.13	--	--	540 <sup>2</sup>	65	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/31/97	4.46	-2.23	6.69	--	--	780 <sup>2</sup>	65	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/30/97	4.46	-2.62	7.08	--	--	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
09/12/97	4.46	-0.95	5.41	--	--	270 <sup>2</sup>	65	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/05/97	4.46	-1.96	6.42	--	--	--	--	--	--	--	--	--	--	--
02/16/98	4.46	-0.30	4.76	--	--	330 <sup>2</sup>	140	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/17/98	4.46	-1.54	6.00	--	--	--	--	--	--	--	--	--	--	--
08/31/98	4.46	-0.64	5.10	--	--	270 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/28/98	4.46	-2.04	6.50	--	--	--	--	--	--	--	--	--	--	--
03/04/99	4.46	-1.35	5.81	--	--	638 <sup>1</sup>	95.5	<0.5	<0.5	<0.5	<0.5	<2.0	--	--
06/14/99	4.46	-0.97	5.43	--	--	--	--	--	--	--	--	--	--	--
09/17/99	4.46	-1.74	6.20	--	--	258 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/20/99	4.46	-2.31	6.77	--	--	--	--	--	--	--	--	--	--	--
03/20/00	4.46	-2.12	6.58	--	--	257 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/24/00	4.46	-2.52	6.98	0.00	0.00	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>MW-6 (cont)</b>													
09/07/00	4.46	-0.46	4.92	0.00	0.00	98 <sup>11</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/05/00	4.46	-0.64	5.10	0.00	0.00	--	--	--	--	--	--	--	--
03/01/01	4.46	-0.43	4.89	0.00	0.00	190 <sup>9</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
06/04/01	4.46	-0.75	5.21	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/10/01	4.46	-0.65	5.11	0.00	0.00	140 <sup>17</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/03/01	4.46	-0.57	5.03	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
03/04/02	4.46	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
05/30/02	4.46	-1.65	6.11	0.00	0.00	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/03/02	4.46	-0.82	5.28	0.00	0.00	340	<500	<2.0	<2.0	<2.0	<6.0	<3.0	--
<b>MW-7</b>													
08/24/92	5.26	-0.29	5.55	--	--	--	--	--	--	--	--	--	--
09/21/92	5.26	-0.39	5.65	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	5.26	-0.25	5.51	--	--	--	--	--	--	--	--	--	--
12/23/92	5.26	1.31	3.95	--	--	60	<50	2.9	<0.5	<0.5	<0.5	--	--
01/08/93	5.26	--	--	--	--	--	--	--	--	--	--	--	--
03/25/93	5.26	2.76	2.50	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/11/93	5.26	1.80	3.46	--	--	--	<50	0.6	<0.5	<0.5	<0.5	--	2,200
09/29/93	5.26	-0.26	5.52	--	--	<10	<50	2.0	1.0	1.0	7.0	--	--
12/20/93	5.26	0.85	4.41	--	--	<10	<50	2.0	<0.5	<0.5	<0.5	--	--
03/07/94	5.26	2.64	2.62	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/17/94	5.26	1.99	3.27	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/94	5.26	1.15	4.11	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
11/30/94	5.26	2.50	2.76	--	--	92 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/24/95	5.26	3.06	2.20	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/27/95	5.26	1.36	3.90	--	--	69 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/28/95	5.26	0.41	4.85	--	--	84 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	5.26	2.24	3.02	--	--	84 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/28/96	5.26	3.83	1.43	--	--	99 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/25/96	5.26	0.97	4.29	--	--	110 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DIW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
<b>MW-7 (cont)</b>														
12/17/96	5.26	3.08	2.18	--	--	54 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/97	5.26	2.32	2.94	--	--	100 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/30/97	5.26	1.68	3.58	--	--	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/12/97	5.26	1.85	3.41	--	--	--	--	--	--	--	--	--	--	--
12/05/97	5.26	3.37	1.89	--	--	--	--	--	--	--	--	--	--	--
02/16/98	5.26	3.43	1.83	--	--	77 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/17/98	5.26	3.32	1.94	--	--	--	--	--	--	--	--	--	--	--
08/31/98	5.26	1.07	4.19	--	--	--	--	--	--	--	--	--	--	--
12/28/98	5.26	0.79	4.47	--	--	--	--	--	--	--	--	--	--	--
03/04/99	5.26	3.51	1.75	--	--	73.4	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	--
06/14/99	5.26	3.64	1.62	--	--	--	--	--	--	--	--	--	--	--
09/17/99	5.26	0.42	4.84	--	--	--	--	--	--	--	--	--	--	--
12/20/99	5.26	0.45	4.81	--	--	--	--	--	--	--	--	--	--	--
03/20/00	5.26	3.41	1.85	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/24/00	5.26	3.05	2.21	0.00	0.00	--	--	--	--	--	--	--	--	--
09/07/00	5.26	1.61	3.65	0.00	0.00	--	--	--	--	--	--	--	--	--
12/05/00	5.26	2.31	2.95	0.00	0.00	--	--	--	--	--	--	--	--	--
03/01/01	5.26	4.61	0.65	0.00	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5	--
06/04/01	5.26	3.74	1.52	0.00	0.00	--	--	--	--	--	--	--	--	--
09/10/01	5.26	1.08	4.18	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/03/01	5.26	4.20	1.06	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/04/02	5.26	3.76	1.50	0.00	0.00	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
05/30/02	5.26	2.51	2.75	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/03/02	5.26	2.24	3.02	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
<b>MW-8</b>														
06/23/92	8.94	-15.20	24.14	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
08/24/92	8.94	0.34	8.60	--	--	--	--	--	--	--	--	--	--	--
09/21/92	8.94	0.55	8.39	--	--	<50	94	<0.5	<0.5	<0.5	<0.5	--	--	--
10/26/92	8.94	-0.18	9.12	--	--	--	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>MW-8 (cont)</b>													
12/23/92	8.94	0.83	8.11	--	--	79	<50	0.7	5.0	0.7	2.9	--	--
01/08/93	8.94	--	--	--	--	--	--	--	--	--	--	--	--
03/25/93	8.94	--	--	--	--	--	--	--	--	--	--	--	--
06/11/93	8.94	0.55	8.39	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	3,500
09/29/93	8.94	0.69	8.25	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/93	8.94	0.48	8.46	--	--	<10	<50	<0.5	0.6	<0.5	1.0	--	--
03/07/94	8.94	0.28	8.66	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/17/94	8.94	0.12	8.82	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/94	8.94	0.11	8.83	--	--	<50	<50	<0.5	<0.5	<0.5	0.8	<5.0	--
11/30/94	8.94	0.31	8.63	--	--	120 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/24/95	8.94	0.43	8.51	--	--	110 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/27/95	8.94	-0.03	8.97	--	--	67 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/28/95	8.94	0.04	8.90	--	--	91 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	8.94	0.54	8.40	--	--	76 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/28/96	8.94	0.50	8.44	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/25/96	8.94	0.05	8.89	--	--	80 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/17/96	8.94	0.49	8.45	--	--	79 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/97	8.94	0.18	8.76	--	--	72 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	3.6	--
06/30/97	8.94	-0.18	9.12	--	--	SAMPLED ANNUALLY		--	--	--	--	--	--
09/12/97	8.94	0.13	8.81	--	--	--	--	--	--	--	--	--	--
12/05/97	8.94	0.59	8.35	--	--	--	--	--	--	--	--	--	--
02/16/98	8.94	1.00	7.94	--	--	68 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	4.3	--
06/17/98	8.94	0.51	8.43	--	--	--	--	--	--	--	--	--	--
08/31/98	8.94	0.06	8.88	--	--	--	--	--	--	--	--	--	--
12/28/98	8.94	0.64	8.30	--	--	--	--	--	--	--	--	--	--
03/04/99	8.94	0.29	8.65	--	--	106	<50	<0.5	<0.5	<0.5	<0.5	3.83	--
06/14/99	8.94	0.52	8.42	--	--	--	--	--	--	--	--	--	--
09/17/99	8.94	-0.93	9.87	--	--	--	--	--	--	--	--	--	--
12/20/99	8.94	0.54	8.40	--	--	--	--	--	--	--	--	--	--
03/20/00	8.94	0.82	8.12	--	--	82.2 <sup>6</sup>	<50	<0.5	<0.5	<0.5	<0.5	3.46	--



**Table 1**  
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Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
					REMOVED (gallons)									
<b>MW-8 (cont)</b>														
06/24/00	8.94	0.31	8.63	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/07/00	8.94	0.26	8.68	0.00	0.00	--	--	--	--	--	--	--	--	--
12/05/00	8.94	0.81	8.13	0.00	0.00	--	--	--	--	--	--	--	--	--
03/01/01	8.94	1.04	7.90	0.00	0.00	51 <sup>11</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.5	--
06/04/01	8.94	-0.27	9.21	0.00	0.00	--	--	--	--	--	--	--	--	--
09/10/01	8.94	0.26	8.68	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
12/03/01	8.94	1.12	7.82	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/04/02	8.94	1.26	7.68	0.00	0.00	82	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<2.5	--
05/30/02	8.94	INACCESSIBLE - CAR PARKED OVER WELL			--	--	--	--	--	--	--	--	--	--
09/03/02	8.94	-0.21	9.15	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--	--	--
<b>MW-9</b>														
04/19/99	5.87	2.71	3.16	--	--	2,600 <sup>2</sup>	3,900 <sup>6</sup>	14	6.9	14	24	140	140	--
06/14/99	5.87	1.06	4.81	--	--	2,800 <sup>2</sup>	2,880	12.6	<10	<10	<10	138	138	--
09/17/99	5.87	1.02	4.85	--	--	1,770 <sup>2</sup>	3,370	33.1	14.4	<5.0	<5.0	202	202	--
12/20/99	5.87	1.87	4.00	--	--	996 <sup>2</sup>	3,970	42.2	13.5	<10	<10	311	311	--
03/20/00	5.87	2.87	3.00	--	--	2,710 <sup>2</sup>	5,920	22.1	<5.0	6.8	<5.0	106.0	106.0	--
06/24/00	5.87	1.96	3.91	0.00	0.00	1,940 <sup>9</sup>	2,500 <sup>7</sup>	12	<10	11	<10	120	120	--
09/07/00	5.87	1.59	4.28	0.00	0.00	1,500 <sup>9</sup>	3,700 <sup>7</sup>	<25	<25	<25	<25	330	330	--
12/05/00	5.87	2.07	3.80	0.00	0.00	1,300 <sup>12</sup>	3,470 <sup>2</sup>	<5.00	7.64	<5.00	<5.00	177	177	--
03/01/01	5.87	3.19	2.68	0.00	0.00	960 <sup>9</sup>	2,400 <sup>7</sup>	11	18.0	<10	<10	250	250	--
06/04/01	5.87	1.96	3.91	0.00	0.00	1,200 <sup>9</sup>	3,200 <sup>7</sup>	45	17	6.1	8.9	300	300	--
09/10/01	5.87	1.18	4.69	0.00	0.00	2,000 <sup>17</sup>	2,300	5.7	7.3	10	<5.0	200	200	--
12/03/01	5.87	2.88	2.99	0.00	0.00	2,600	3,600	14	5.4	8.2	8.5	210	210	--
03/04/02	5.87	2.32	3.55	0.00	0.00	3,700	4,400	17	<5.0	9.2	6.4	79	79	--
05/30/02	5.87	2.22	3.65	0.00	0.00	4,600	4,300	15	3.7	5.8	6.1	110	110	--
09/03/02	5.87	1.31	4.56	0.00	0.00	2,500	3,200	5.8	2.6	3.5	5.6	84	84	--

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Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>TRIP BLANK</b>													
08/24/92	--	--	--	--	--	--	--	--	--	--	--	--	--
09/21/92	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	--	--	--	--	--	--	--	--	--	--	--	--	--
12/23/92	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/08/93	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/93	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/11/93	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/93	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/93	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/07/94	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/17/94	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/94	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	1.0	--	--
11/30/94	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/24/95	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/27/95	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/28/95	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/28/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/17/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/30/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/05/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/16/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/17/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/31/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/28/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/04/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
06/14/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
<b>TRIP BLANK (cont)</b>													
09/17/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/20/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/20/00	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/24/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/07/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/05/00	--	--	--	--	--	--	<50	<0.500	<0.500	<0.500	<0.500	<2.5	--
03/01/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
06/04/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/10/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
<b>QA</b>													
12/03/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/04/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/30/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/03/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 24, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH-D = Total Petroleum Hydrocarbons as Diesel	(ppb) = Parts per billion
GWE = Groundwater Elevation (msl) = Mean sea level	TPH-G = Total Petroleum Hydrocarbons as Gasoline	TDS = Total Dissolved Solids
DTW = Depth to Water	B = Benzene	-- = Not Measured/Not Analyzed
SPHT = Separate Phase Hydrocarbon Thickness	T = Toluene	QA = Quality Assurance
SPH = Separate Phase Hydrocarbons	E = Ethylbenzene	
	X = Xylenes	
	MTBE = Methyl tertiary butyl ether	

- 1 Chromatogram pattern indicates a non-diesel mix.
- 2 Chromatogram pattern indicates an unidentified hydrocarbon.
- 3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- 4 Confirmation run.
- 5 ORC present in well.
- 6 Laboratory report indicates gasoline and unidentified hydrocarbons >10.
- 7 Laboratory report indicates gasoline C6-C12.
- 8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 9 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 10 Laboratory report indicates unidentified hydrocarbons C10-C24.
- 11 Laboratory report indicates unidentified hydrocarbons >C16.
- 12 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 13 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 14 Laboratory report indicates weathered gasoline C6-C12.
- 15 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 16 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 17 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier hydrocarbon mix.

**Table 2**  
**Dissolved Oxygen Concentrations**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
MW-1	06/24/00 <sup>1</sup>	5.30	--
	09/07/00 <sup>1</sup>	4.02	--
	12/05/00 <sup>1</sup>	3.86	--
	03/01/01 <sup>1</sup>	3.04	--
	06/04/01 <sup>1</sup>	2.70	--
	09/10/01 <sup>1</sup>	2.40	--
	12/03/01 <sup>1</sup>	0.70	--
	03/04/02 <sup>1</sup>	1.10	--
	05/30/02 <sup>1</sup>	0.90	--
	09/03/02 <sup>1</sup>	1.20	--

**EXPLANATIONS:**

(mg/L) = Milligrams per liter

-- = Not Measured

<sup>1</sup> ORC present in well.

**Table 3**  
**Groundwater Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

<b>WELL ID/ DATE</b>	<b>Total Alkalinity (ppb)</b>	<b>Ferrous Iron (ppb)</b>	<b>Sulfate (ppb)</b>	<b>Nitrate (ppb)</b>
MW-1 12/28/98	390,000	4,900	<1,000	<1,000
MW-3 12/28/98	980,000	4,500	390,000	<1,000
MW-4 12/28/98	670,000	3,500	6,800	<1,000
MW-5 12/28/98	480,000	15	51,000	<1,000
MW-6 12/28/98	2,400,000	810	110,000	<1,000
MW-7 12/28/98	350,000	12,000	79,000	<1,000
MW-8 12/28/98	1,100,000	45	87,000	<1,000

**EXPLANATIONS:**

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

(ppb) = Parts per billion

## 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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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

Groundwater samples are collected using Chevron-designated 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. 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 Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-1 Well Condition: o.k.  
 Well Diameter: 2 1/4 in. Hydrocarbon Amount Bailed  
 Total Depth: 19.03 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 5.47 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

13.56 xVF .666 = 8.9 x3 (case volume) = Estimated Purge Volume: 27.0 gal.

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

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

Start Time (purge): 1335 Weather Conditions: SUNNY  
 Sample Time/Date: 1352 9/03/02 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: 3 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	Precip. D.O. (mg/L)	ORP (mV)
<u>1338</u>	<u>9</u>	<u>7.12</u>	<u>1360</u>	<u>71.2</u>	<u>1.2</u>	
<u>1341</u>	<u>18</u>	<u>7.02</u>	<u>1334</u>	<u>70.4</u>		
<u>1344</u>	<u>27</u>	<u>6.94</u>	<u>1328</u>	<u>69.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-1	2 x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: ORC IN WELL

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





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-2A Well Condition: O.L.  
 Well Diameter: 21 4 in. Hydrocarbon Amount Bailed  
 Total Depth: 16.55 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 5.50 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

11.05 x VF .17 = 1.8 x3 (case volume) = Estimated Purge Volume: 5 1/2 gal.

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

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

Start Time (purge): 1225 Weather Conditions: SUNNY  
 Sample Time/Date: 1240/9/03/02 Water Color: YELLOW/Cloudy Odor: YES  
 Purging Flow Rate: — gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1227</u>	<u>2</u>	<u>7.12</u>	<u>1396</u>	<u>69.2</u>		
<u>1230</u>	<u>4</u>	<u>7.02</u>	<u>1392</u>	<u>68.0</u>		
<u>1234</u>	<u>5 1/2</u>	<u>6.98</u>	<u>1368</u>	<u>67.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2A</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
<u>MW-2A</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-3A Well Condition: o.k  
 Well Diameter: 14 in. Hydrocarbon Amount Bailed  
 Total Depth: 17.75 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 8.98 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

8.77 xVF .17 = 1.49 x3 (case volume) = Estimated Purge Volume: 4 1/2 gal.

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

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

Start Time (purge): 1112 Weather Conditions: SUNNY  
 Sample Time/Date: 1126 / 9/03/02 Water Color: 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 (C/F)	D.O. (mg/L)	ORP (mV)
<u>1114</u>	<u>1.5</u>	<u>7.12</u>	<u>1164</u>	<u>69.3</u>	_____	_____
<u>1117</u>	<u>3.0</u>	<u>6.98</u>	<u>1122</u>	<u>68.2</u>	_____	_____
<u>1120</u>	<u>4.5</u>	<u>6.93</u>	<u>1126</u>	<u>68.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3A</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
<u>MW-3A</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-4A Well Condition: O.k.  
 Well Diameter: 2 1/4 in. Hydrocarbon Amount Bailed  
 Total Depth: 18.22 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 6.49 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

11.73 xVF .17 = 1.9 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: \_\_\_\_\_

Start Time (purge): 1146 Weather Conditions: SUNNY  
 Sample Time/Date: 1203 / 9/03/02 Water Color: YELLOW Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/D)	D.O. (mg/L)	ORP (mV)
<u>1149</u>	<u>2</u>	<u>7.22</u>	<u>1364</u>	<u>68.9</u>		
<u>1153</u>	<u>4</u>	<u>7.08</u>	<u>1384</u>	<u>68.0</u>		
<u>1157</u>	<u>6</u>	<u>7.10</u>	<u>1388</u>	<u>68.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4A</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
<u>MW-4A</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-5  
 Well Diameter: 21.4 in.  
 Total Depth: 32.60 ft.  
 Depth to Water: N/A ft.

Well Condition: PARLED OVER  
 Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 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

\_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

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

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

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 9/3/02 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 1 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: UNABLE TO MONITOR AND SAMPLE THIS WELL, THIS WELL HAS BEEN PARLED OVER ALL DAY UNABLE TO LOCATE OWNER.

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-6 Well Condition: O.K.  
 Well Diameter: 2 1/4 in. Hydrocarbon Amount Bailed  
 Total Depth: 18.73 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 5.28 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

13.45 x VF .17 = 2.2 x3 (case volume) = Estimated Purge Volume: 7 gal.

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

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

Start Time (purge): 1410 Weather Conditions: SUNNY  
 Sample Time/Date: 1430 9/03/02 Water Color: YELLOW Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Silt  
 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>1413</u>	<u>2</u>	<u>7.24</u>	<u>1482</u>	<u>69.6</u>		
<u>1417</u>	<u>4</u>	<u>7.16</u>	<u>1454</u>	<u>68.1</u>		
<u>1421</u>	<u>7</u>	<u>7.12</u>	<u>1448</u>	<u>67.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-6	2 x amber	YES	NP	LANCASTER	TPH-D

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/03/02  
 City: Oakland, CA Sampler: TL

Well ID: MW-7 Well Condition: o.k  
 Well Diameter: 2 1/4 in. Hydrocarbon Amount Bailed  
 Total Depth: 13.95 ft. Thickness: 0 ft. (product/water): 0 gal.  
 Depth to Water: 3.02 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

\_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

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

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

*N/A*

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: MONITOR ONLY.

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 8/9/02/02  
 Sampler: TC

Well ID: MW-8  
 Well Diameter: 2 1/4 in.  
 Total Depth: 24.85 ft.  
 Depth to Water: 9.15 ft.

Well Condition: o.k.  
 Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

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

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

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: MONITOR ONLY.

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 9/02/02  
 City: Oakland, CA Sampler: TC

Well ID: MW-9 Well Condition: o.k.  
 Well Diameter: 21.4 in. Hydrocarbon Amount Bailed  
 Total Depth: 15.41 ft. Thickness: Ø ft. (product/water): Ø gal.  
 Depth to Water: 4.56 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

10.85 x VF .17 = 1.84 x3 (case volume) = Estimated Purge Volume: 5 1/2 gal.

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

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

Start Time (purge): 1258 Weather Conditions: SUNNY  
 Sample Time/Date: 1312 19/03/02 Water Color: CLOUDY Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: GRAY SILT  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1301</u>	<u>2</u>	<u>7.26</u>	<u>1284</u>	<u>68.0</u>	_____	_____
<u>1304</u>	<u>4</u>	<u>7.10</u>	<u>1262</u>	<u>67.6</u>	_____	_____
<u>1309</u>	<u>5 1/2</u>	<u>7.04</u>	<u>1251</u>	<u>67.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
<u>MW-9</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

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

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



# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 10905 Sample #: 3892336-42 SCR#: \_\_\_\_\_

090502-014

Group # 821676

Facility #: 9-0121 Job #386462 Global ID#T0600100328  
 Site Address: 3026 LAKESHORE AVE., OAKLAND, CA  
 Chevron PM: Streich Lead Consultant: DELTA/G-R  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568  
 Consultant Prj. Mgr: Deanna L. Harding (Deanna@grinc.com)  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: TONY CAMARDA  
 Service Order #: \_\_\_\_\_  Non SAR:

Matrix		Analyses Requested											
		Preservation Codes											
Soil	Water	Oil	Air	Total Number of Containers	H	H							
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES					<input checked="" type="checkbox"/> 8021								
					<input type="checkbox"/> BTEX + MTBE 8260	<input type="checkbox"/> GRO	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD DRO	<input type="checkbox"/> Silica Gel Cleanup	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> 7421

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>    O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds

**8021 MTBE Confirmation**  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy s on highest hit  
 Run \_\_\_ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
QA	9/03/02					X			4	X	X					
MW-1		1352	X			X			5	X	X	X				
MW-2A		1240	X			X			5	X	X	X				
MW-3A		1126	X			X			5	X	X	X				
MW-4A		1203	X			X			5	X	X	X				
MW-6		1430	X			X			5	X	X	X				
MW-9		1312	X			X			5	X	X	X				

**Comments / Remarks**

**Turnaround Time Requested (TAT) (please circle)**  
 STD. TAT      72 hour      48 hour  
 24 hour      4 day      5 day

**Data Package Options (please circle if required)**  
 QC Summary      Type I — Full  
 Type VI (Raw Data)       Coeff Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>Tony Camarda</u>	Date: <u>9/03/02</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>9/5</u>	Time: <u>1230</u>
Relinquished by: <u>[Signature]</u>	Date: <u>9/5</u>	Time: <u>1230</u>	Received by: <u>[Signature]</u>	Date: <u>9/5</u>	Time: <u>1305</u>
Relinquished by: <u>[Signature]</u>	Date: <u>9/5/02</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>9/5/02</u>	Time: _____
Relinquished by Commercial Carrier: UPS      FedEx      Other <u>Airborne</u>	Temperature Upon Receipt: <u>2-3</u> °C		Received by: <u>[Signature]</u>	Date: <u>9/6/02</u>	Time: <u>0948</u>
Custody Seals Intact? <u>Yes</u> No					



## Lancaster Laboratories

Where quality is a science.

### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 821676. Samples arrived at the laboratory on Friday, September 06, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-020903	NA Water	3892336
MW-1-W-020903	Grab Water	3892337
MW-2A-W-020903	Grab Water	3892338
MW-3A-W-020903	Grab Water	3892339
MW-4A-W-020903	Grab Water	3892340
MW-6-W-020903	Grab Water	3892341
MW-9-W-020903	Grab Water	3892342

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

Questions? Contact your Client Services Representative  
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Christine M. Dulaney  
Sr. Chemist



Lancaster Laboratories, Inc.  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3892336**

Collected: 09/03/2002 00:00

Account Number: 10905

Submitted: 09/06/2002 09:45  
 Reported: 09/19/2002 at 18:37  
 Discard: 10/20/2002  
 QA-T-020903 NA Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 QA

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/10/2002 02:04	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 02:04	Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 02:04	Anastasia Papadoplos	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3892337

Collected: 09/03/2002 13:52 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45  
 Reported: 09/19/2002 at 18:38  
 Discard: 10/20/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-1-W-020903 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-1

LAO-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	2,900.	52.	ug/l	2
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,700.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
06214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D. #	5.0	ug/l	1
00777	Toluene	108-88-3	7.8	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	3.2	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	10.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	130.	2.5	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for benzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	09/12/2002 16:04	Tracy A Cole	2

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



2425 New Holland Blvd.  
 PO Box 12425  
 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3892337

Collected: 09/03/2002 13:52 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:38

Discard: 10/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-1-W-020903 Grab Water GRD  
Facility# 90121 Job# 386462  
3026 Lakeshore-Oakland T0600100328 MW-1

LAO-1							
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/10/2002 04:51	Anastasia Papadoplos	1	
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 04:51	Anastasia Papadoplos	1	
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 04:51	Anastasia Papadoplos	n.a.	
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1	

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit



342 Lancaster Blvd  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3892338**

Collected: 09/03/2002 12:40 by **TC**

Account Number: 10905

Submitted: 09/06/2002 09:45  
 Reported: 09/19/2002 at 18:39  
 Discard: 10/20/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-2A-W-020903 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-2A

LAO2A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	2,600.	52.	ug/l	2
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	590.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	7.8	0.50	ug/l	1
00777	Toluene	108-88-3	0.98	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	2.9	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	7.8	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	7,800.	7.5	ug/l	25
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	09/12/2002 16:46	Tracy A Cole	2
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/10/2002 06:31	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 05:24	Anastasia Papadoplos	25
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 06:31	Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 05:24	Anastasia Papadoplos	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected by the Reporting Limit



Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3892338

Collected: 09/03/2002 12:40 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:39

Discard: 10/20/2002

MW-2A-W-020903

Grab

Water

Facility# 90121 Job# 386462

GRD

3026 Lakeshore-Oakland T0600100328 MW-2A

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

LAO2A

#=Laboratory Method Detection Limit exceeds target detection limit

N.D.=Not detected or above the Reporting Limit



2425 New Holland Pike  
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717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3892339

Collected: 09/03/2002 11:26 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45  
 Reported: 09/19/2002 at 18:40  
 Discard: 10/20/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-3A-W-020903 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-3A

LAO3A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	89.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	24.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	09/10/2002 16:05	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/10/2002 05:58	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 05:58	Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 05:58	Anastasia Papadoplos	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected or above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3892339

Collected: 09/03/2002 11:26 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:40

Discard: 10/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-3A-W-020903

Grab

Water

Facility# 90121 Job# 386462

GRD

3026 Lakeshore-Oakland

T0600100328 MW-3A

LAO3A

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3892340

Collected: 09/03/2002 12:03 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

ChevronTexaco

Reported: 09/19/2002 at 18:42

6001 Bollinger Canyon Rd L4310

Discard: 10/20/2002

San Ramon CA 94583

MW-4A-W-020903 Grab Water

Facility# 90121 Job# 386462 GRD

3026 Lakeshore-Oakland T0600100328 MW-4A

LAO4A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,200.	51.	ug/l	2
<p>According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p>						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D. #	500.	ug/l	10
<p>The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p> <p>Due to excessive foaming of the sample, normal reporting limits were not attained.</p>						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	4.5	2.0	ug/l	10
00777	Toluene	108-88-3	N.D. #	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	3.5	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	7.5	6.0	ug/l	10
00780	Methyl tert-Butyl Ether	1634-04-4	3,800.	3.0	ug/l	10
<p>A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p> <p>Due to excessive foaming of the sample, normal reporting limits were not attained.</p>						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	09/12/2002 17:28	Tracy A Cole	2

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. **WW 3892340**

Collected: 09/03/2002 12:03 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:42

Discard: 10/20/2002

MW-4A-W-020903

Grab

Water

Facility# 90121 Job# 386462

GRD

3026 Lakeshore-Oakland T0600100328 MW-4A

ChevronTexaco

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San Ramon CA 94583

LAO4A	Method	Sample	Count	Date/Time	Analyst	Result
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/10/2002 10:10	Anastasia Papadopoulos	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 10:10	Anastasia Papadopoulos	10
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 10:10	Anastasia Papadopoulos	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1

#=Laboratory Method Detection Limit exceeds target detection limit  
N.D.=Not detected at or above the Reporting Limit



2425 New Holland Pike  
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Lancaster Laboratories Sample No. WW 3892341

Collected: 09/03/2002 14:30 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45  
 Reported: 09/19/2002 at 18:43  
 Discard: 10/20/2002

ChevronTexaco  
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 San Ramon CA 94583

MW-6-W-020903 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-6

LAO-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	340.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D. #	500.	ug/l	10
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
Due to excessive foaming of the sample, normal reporting limits were not attained.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D. #	2.0	ug/l	10
00777	Toluene	108-88-3	N.D. #	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	N.D. #	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	N.D. #	6.0	ug/l	10
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	3.0	ug/l	10
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
Due to excessive foaming of the sample, normal reporting limits were not attained.						

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### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	2	09/18/2002 06:24	Tracy A Cole	1

#=Laboratory Method Detection Limit exceeds target detection limit  
 N.D.=Not detected above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3892341

Collected: 09/03/2002 14:30 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:43

Discard: 10/20/2002

MW-6-W-020903

Grab

Water

Facility# 90121 Job# 386462

GRD

3026 Lakeshore-Oakland T0600100328 MW-6

ChevronTexaco

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LAO-6						
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	09/10/2002 10:43	Anastasia Papadoplos	10
		Method				
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/10/2002 10:43	Anastasia Papadoplos	10
01146	GC VOA Water Prep	SW-846 5030B	1	09/10/2002 10:43	Anastasia Papadoplos	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1

#=Laboratory Method Detection Limit exceeds target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. **WW 3892342**

Collected: 09/03/2002 13:12 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

ChevronTexaco

Reported: 09/19/2002 at 18:44

6001 Bollinger Canyon Rd L4310

Discard: 10/20/2002

San Ramon CA 94583

MW-9-W-020903 Grab Water

Facility# 90121 Job# 386462 GRD

3026 Lakeshore-Oakland T0600100328 MW-9

LAO-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	2,500.	130.	ug/l	1
<p>According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).                      Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p> <p>Due to interferences from the sample matrix (high sediment content), the reporting limit was increased.</p>						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,200.	50.	ug/l	1
<p>The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.                      A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p>						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	5.8	0.50	ug/l	1
00777	Toluene	108-88-3	2.6	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	3.5	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	5.6	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	84.	2.5	ug/l	1
<p>A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.</p>						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	09/10/2002 16:26	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	09/11/2002 04:40	Anastasia Papadopoulos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	09/11/2002 04:40	Anastasia Papadopoulos	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3892342

Collected: 09/03/2002 13:12 by TC

Account Number: 10905

Submitted: 09/06/2002 09:45

Reported: 09/19/2002 at 18:44

Discard: 10/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-9-W-020903                      Grab                      Water  
Facility# 90121      Job# 386462                      GRD  
3026 Lakeshore-Oakland      T0600100328      MW-9

LAO-9									
01146	GC VOA Water Prep	SW-846 5030B	1	09/11/2002 04:40	Anastasia Papadoplos	n.a.			
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	09/09/2002 09:30	William P Stafford	1			

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit



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## Quality Control Summary

Client Name: ChevronTexaco  
 Reported: 09/19/02 at 06:46 PM

Group Number: 821676

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 022500010A								
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	93	103	54-120	10	20
Batch number: 02252A53A								
Benzene	N.D.	.2	ug/l	90	102	80-118	12	30
Toluene	N.D.	.2	ug/l	89	101	82-119	12	30
Ethylbenzene	N.D.	.2	ug/l	92	104	81-119	12	30
Total Xylenes	N.D.	.6	ug/l	93	104	82-120	12	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	86	95	79-127	10	30
TPH-GRO - Waters	N.D.	50.	ug/l	98	100	74-116	2	30
Batch number: 02252A53B								
Benzene	N.D.	.2	ug/l	90	102	80-118	12	30
Toluene	N.D.	.2	ug/l	89	101	82-119	12	30
Ethylbenzene	N.D.	.2	ug/l	92	104	81-119	12	30
Total Xylenes	N.D.	.6	ug/l	93	104	82-120	12	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	86	95	79-127	10	30
TPH-GRO - Waters	N.D.	50.	ug/l	98	100	74-116	2	30
Batch number: 02253A53A								
Benzene	N.D.	.2	ug/l	98	94	80-118	4	30
Toluene	N.D.	.2	ug/l	100	96	82-119	4	30
Ethylbenzene	N.D.	.2	ug/l	100	96	81-119	4	30
Total Xylenes	N.D.	.6	ug/l	102	98	82-120	4	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	96	96	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	92	89	74-116	3	30

### Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 02252A53A								
Benzene	89		83-130					
Toluene	90		87-129					
Ethylbenzene	95		86-133					
Total Xylenes	94		86-132					
Methyl tert-Butyl Ether	82		66-140					
TPH-GRO - Waters	95		74-132					
Batch number: 02252A53B								
Benzene	89		83-130					
Toluene	90		87-129					
Ethylbenzene	95		86-133					
Total Xylenes	94		86-132					
Methyl tert-Butyl Ether	82		66-140					
TPH-GRO - Waters	95		74-132					
Batch number: 02253A53A								
Benzene	105		83-130					
Toluene	105		87-129					
Ethylbenzene	110		86-133					

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.  
 2425 New Holland Pike  
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 Lancaster, PA 17605-2425  
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## Quality Control Summary

Client Name: ChevronTexaco  
 Reported: 09/19/02 at 06:46 PM

Group Number: 821676

### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
								<u>Max</u>
Total Xylenes	111		86-132					
Methyl tert-Butyl Ether	92		66-140					
TPH-GRO - Waters	103		74-132					

### Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)  
 Batch number: 022500010A  
 Orthoterphenyl

3892337	83
3892338	79
3892339	87
3892340	100
3892341	90
3892342	85
Blank	91
LCS	92
LCSD	106

Limits: 59-139

Analysis Name: TPH-GRO - Waters  
 Batch number: 02252A53A  
 Trifluorotoluene-F      Trifluorotoluene-P

3892336	86	87
3892337	132	106
3892338	94	105
3892339	88	91
Blank	83	91
LCS	91	92
LCSD	91	92
MS	88	85

Limits: 57-146      71-130

Analysis Name: TPH-GRO - Waters  
 Batch number: 02252A53B  
 Trifluorotoluene-F      Trifluorotoluene-P

3892340	75	97
3892341	85	91
Blank	81	91
LCS	91	92
LCSD	91	92
MS	88	85

Limits: 57-146      71-130

Analysis Name: TPH-GRO - Waters

**\*- Outside of specification**

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.





## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 09/19/02 at 06:46 PM

Group Number: 821676

### Surrogate Quality Control

Batch number: 02253A53A

	Trifluorotoluene-F	Trifluorotoluene-P
3892342	114	87
Blank	85	93
LCS	91	91
LCSD	91	92
MS	93	92
Limits:	57-146	71-130

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



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