



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

June 1, 2001

Ms. Eva Chu  
Alameda County Health Care Services  
Department of Environmental Health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

JUN 06 2001

Subject: *First Quarter Event of March 1, 2001*  
*Groundwater Monitoring and Sampling Report*  
Chevron Service Station No. 9-0121  
3026 Lakeshore Avenue  
Oakland, California  
Delta Project No. DG90-121

Dear Ms. Chu:

Attached for your review and comment is a letter report entitled *First Quarter Event of March 1, 2001, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Gettler-Ryan, Inc and details the results of the March 2001 groundwater monitoring and sampling event. In addition, I have attached the Fourth Quarter 2000 report.

If you have questions or comments regarding this report, please contact me at (916) 638-2732.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

A handwritten signature in black ink that reads "Jim Brownell". The signature is fluid and cursive, with a large loop at the end.

Jim Brownell  
Portfolio Manager

JRB (1st Qrt 2001 QM-9-0121.doc)  
Enclosures

cc: Tom Bauhs – Chevron Product Company



# GETTLER-RYAN INC.

## TRANSMITTAL

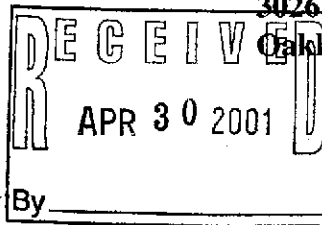
April 26, 2001  
G-R #386462

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

CC: Mr. Thomas Bauhs  
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
2	April 16, 2001	Groundwater Monitoring and Sampling Report First Quarter - Event of March 1, 2001

### COMMENTS:

Enclosed are copies of the above referenced report for your review and distribution to the following:

Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway,  
Suite 250, Alameda, CA 94502-6577

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **May 9, 2001**, at which time the final report will be distributed to the following:

Mr. Greg Gurs, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-0121-TB



# GETTLER-RYAN INC.

April 16, 2001  
G-R Job #386462

Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: First Quarter Event of March 1, 2001**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

Dear Mr. Bauhs:

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.

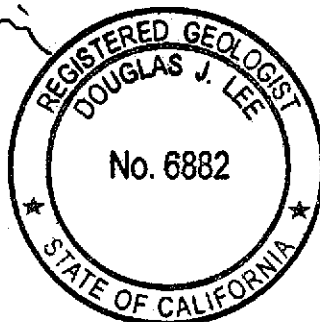
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are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

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

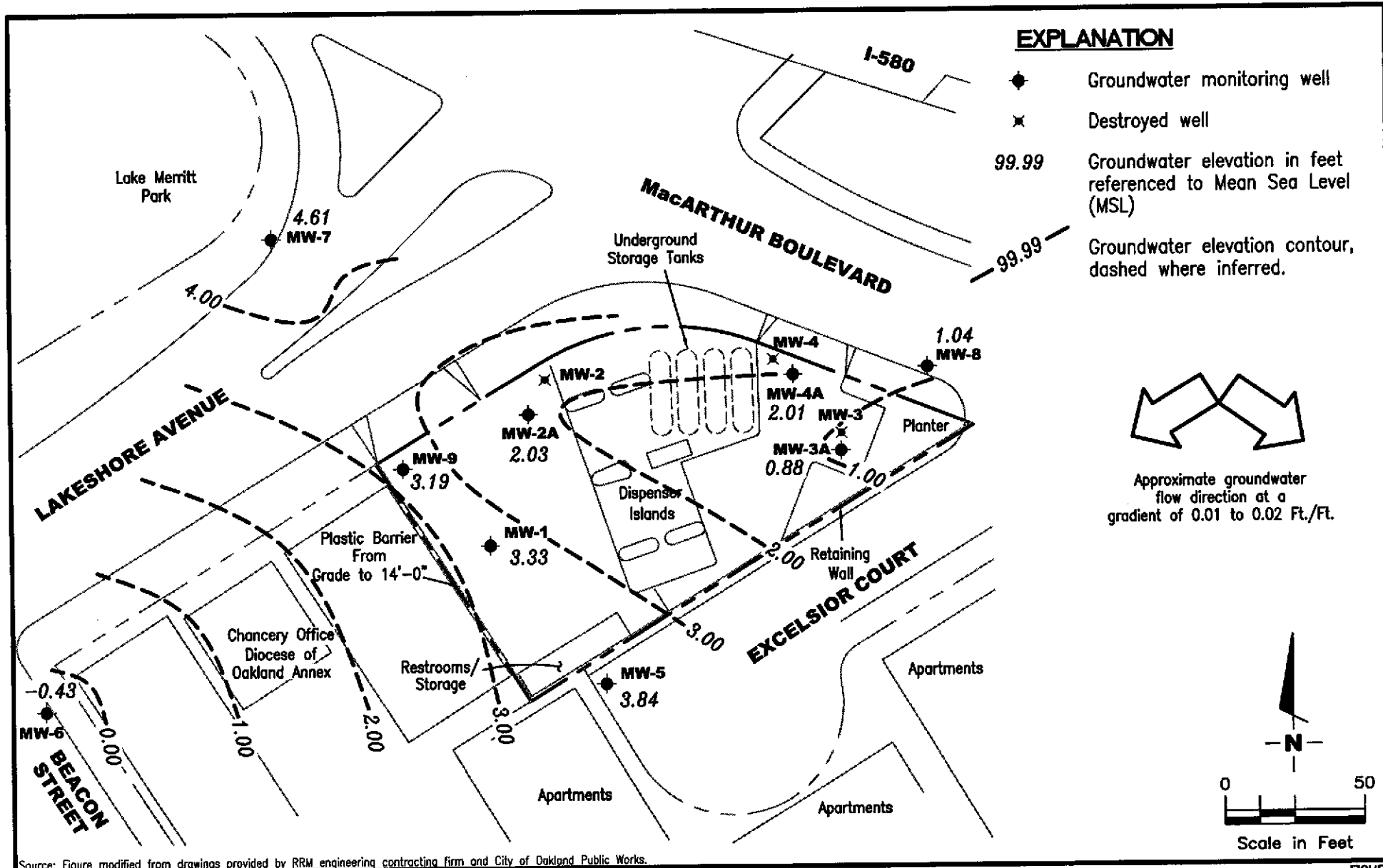
Sincerely,

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



**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**

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
MW-1													
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	--

**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)
				Thickness (ft.)	Removed (gallons)								
<b>MW-1 (cont)</b>													
12/05/97	6.89	2.44	4.45	--	--	1,900 <sup>2</sup>	4,700	870	21	120	18	750	--
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	--	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	--	1,500 <sup>9</sup>	3,100 <sup>7</sup>	190	13	14	<10	210	--
12/05/00	6.89	2.16	4.73	0.00	--	970 <sup>13</sup>	2,140 <sup>14</sup>	248	<5.00	20.5	<5.00	<25.0	--
<b>03/01/01</b>	<b>6.89</b>	<b>3.33</b>	<b>3.56</b>	<b>0.00</b>	<b>--</b>	<b>610<sup>9</sup></b>	<b>1,000<sup>7</sup></b>	<b>21</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>280</b>	<b>--</b>
<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	--	--	--	--	--	--	--	--	--	--
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

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

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	SPH	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-2 (cont)</b>													
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	--	--	--	--	--	--	--	--
<b>DESTROYED</b>													
<b>MW-2A</b>													
04/19/99	6.53	1.67	4.86	--	--	820 <sup>2</sup>	<2000	<20	<20	<20	<20	9200	--
06/14/99	6.53	1.23	5.30	--	--	2,000 <sup>2</sup>	<5000	89	<50	66	<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	11,400	--
12/20/99	6.53	-0.07	6.60	--	--	2,820 <sup>2</sup>	2,280	115	<10	87.2	27.2	14,000	--

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-2A (cont)</b>													
03/20/00	6.53	1.74	4.79	--	--	1,220 <sup>2</sup>	1,040	54.3	<5.0	33.8	12.1	10,900 <sup>2</sup>	--
06/24/00	6.53	1.28	5.25	0.00	--	1,300 <sup>9</sup>	690 <sup>7</sup>	50	2.5	18	9.5	15,000 <sup>8</sup>	--
09/07/00	6.53	1.09	5.44	0.00	--	770 <sup>9</sup>	310 <sup>7</sup>	6.7	1.4	1.6	3.8	16,000	--
12/05/00	6.53	1.16	5.37	0.00	--	810 <sup>13</sup>	414 <sup>14</sup>	32.4	<0.500	7.49	5.96	8,910 <sup>8</sup>	--
<b>03/01/01</b>	<b>6.53</b>	<b>2.03</b>	<b>4.50</b>	<b>0.00</b>	--	<b>590<sup>9</sup></b>	<b>370<sup>7</sup></b>	<b>30</b>	<b>4.0</b>	<b>12</b>	<b>9.2</b>	<b>8,200</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
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	--



**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-3 (cont)</b>													
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	--
DESTROYED													
<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	--
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	--	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	--	<50	<50	1.4	<0.50	<0.50	<0.50	15	--
12/05/00	8.70	0.02	8.68	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	--	66 <sup>11</sup>	<50	1.0	<0.50	<0.50	<0.50	19	--

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<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	--	--
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>	<5000	110	<50	<50	<50	22,000	--
03/31/97	7.37	1.75	5.62	--	--	2,700 <sup>2</sup>	<2500	130	<25	<25	<25	16,000	--
06/30/97	7.37	1.34	6.03	--	--	2,700 <sup>2</sup>	<2500	130	<25	<25	<25	14,000	--
09/12/97	7.37	1.68	5.69	--	--	2,100 <sup>2</sup>	<5000	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	--

**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)
				Thickness (ft.)	Removed (gallons)								
<b>MW-4 (cont)</b>													
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>	<2500	85.5	40.9	<25	<25	11,400	--
DESTROYED													
<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	1600	--
06/14/99	7.69	2.44	5.25	--	--	2,500 <sup>2</sup>	5,360	312	<20	44	<20	2880	--
09/17/99	7.69	0.32	7.37	--	--	1,430 <sup>2</sup>	1,290	38.6	<5.0	7.01	<5.0	1780	--
12/20/99	7.69	1.39	6.30	--	--	7,480 <sup>2</sup>	852	43.5	4.63	9.18	4.36	1070	--
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	--	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	--	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	--	560 <sup>12</sup>	<500	<5.00	<5.00	<5.00	<5.00	3,380 <sup>8</sup>	--
03/01/01	7.69	2.01	5.68	0.00	--	600 <sup>9</sup>	<1,000	10	<10	<10	<10	4,600	--
<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	--	--

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-5 (cont)</b>													
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>3</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	--
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	--	--	--	--	--	--	--	--	--
09/07/00	14.14	0.97	13.17	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	--	--	--	--	--	--	--	--	--
03/01/01	14.14	3.84	10.30	0.00	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<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.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
MW-6													
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	--	--
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	--

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-6 (cont)</b>													
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	--	SAMPLED SEMI-ANNUALLY					--	--	
09/07/00	4.46	-0.46	4.92	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	--	--	--	--	--	--	--	--	--
03/01/01	4.46	-0.43	4.89	0.00	--	190 <sup>9</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
<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	--	2200
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)	DTW (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	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	<2.5	--
03/31/97	5.26	2.32	2.94	--	--	100 <sup>2</sup>	<50	<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	<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	<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	<2.5	--
06/24/00	5.26	3.05	2.21	0.00	--	--	--	--	--	--	--	--	--
09/07/00	5.26	1.61	3.65	0.00	--	--	--	--	--	--	--	--	--
12/05/00	5.26	2.31	2.95	0.00	--	--	--	--	--	--	--	--	--
03/01/01	5.26	4.61	0.65	0.00	--	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
<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	--	--	--	--	--	--	--	--	--	--
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	--	3500
09/29/93	8.94	0.69	8.25	--	--	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--

**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.)	SPH	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>MW-8 (cont)</b>													
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	--
06/24/00	8.94	0.31	8.63	0.00	--	SAMPLED ANNUALLY			--	--	--	--	--
09/07/00	8.94	0.26	8.68	0.00	--	--	--	--	--	--	--	--	--
12/05/00	8.94	0.81	8.13	0.00	--	--	--	--	--	--	--	--	--
03/01/01	8.94	1.04	7.90	0.00	--	51 <sup>11</sup>	<50	<0.50	<0.50	<0.50	<0.50	<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.)	SPH	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<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	--
06/14/99	5.87	1.06	4.81	--	--	2,800 <sup>2</sup>	2,880	12.6	<10	<10	<10	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	--
12/20/99	5.87	1.87	4.00	--	--	996 <sup>2</sup>	3,970	42.2	13.5	<10	<10	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	--
06/24/00	5.87	1.96	3.91	0.00	--	1,940 <sup>9</sup>	2,500 <sup>7</sup>	12	<10	11	<10	120	--
09/07/00	5.87	1.59	4.28	0.00	--	1,500 <sup>9</sup>	3,700 <sup>7</sup>	<25	<25	<25	<25	330	--
12/05/00	5.87	2.07	3.80	0.00	--	1,300 <sup>12</sup>	3,470 <sup>2</sup>	<5.00	7.64	<5.00	<5.00	177	--
<b>03/01/01</b>	<b>5.87</b>	<b>3.19</b>	<b>2.68</b>	<b>0.00</b>	<b>--</b>	<b>960<sup>9</sup></b>	<b>2,400<sup>7</sup></b>	<b>11</b>	<b>18.0</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>250</b>	<b>--</b>
<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	--	--

**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	SPH	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TDS (ppb)
				Thickness (ft.)	Removed (gallons)								
<b>TRIP BLANK (cont)</b>													
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	<2.0	--
03/04/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/14/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
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	--

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

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**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

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPH = Separate Phase Hydrocarbons

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

TDS = Total Dissolved Solids

-- = Not Measured/Not Analyzed

- <sup>1</sup> Chromatogram pattern indicates a non-diesel mix.
- <sup>2</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>3</sup> Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- <sup>4</sup> Confirmation run.
- <sup>5</sup> ORC in well.
- <sup>6</sup> Laboratory report indicates gasoline and unidentified hydrocarbons >10.
- <sup>7</sup> Laboratory report indicates gasoline C6-C12.
- <sup>8</sup> Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- <sup>9</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.
- <sup>10</sup> Laboratory report indicates unidentified hydrocarbons C10-C24.
- <sup>11</sup> Laboratory report indicates unidentified hydrocarbons >C16.
- <sup>12</sup> Laboratory report indicates unidentified hydrocarbons C9-C40.
- <sup>13</sup> Laboratory report indicates diesel C9-C24+ unidentified hydrocarbons <C16.
- <sup>14</sup> Laboratory report indicates weathered gasoline C6-C12.

**Table 2**  
**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	4900	<1000	<1000
MW-3 12/28/98	980,000	4500	390,000	<1000
MW-4 12/28/98	670,000	3500	6800	<1000
MW-5 12/28/98	480,000	15	51,000	<1000
MW-6 12/28/98	2,400,000	810	110,000	<1000
MW-7 12/28/98	350,000	12,000	79,000	<1000
MW-8 12/28/98	1,100,000	45	87,000	<1000

**EXPLANATIONS:**

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

(ppb) = Parts per billion

**Table 3**  
**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	5.3	--
	09/07/00	4.02	--
	12/05/00	3.86	--
	03/01/01	3.04	--

**EXPLANATIONS:**

(mg/L) = Milligrams per liter

-- = Not Measured

## 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.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121 Job#: 386462  
 Address: 3026 LAKE SHORE AVE. Date: 3-1-01  
 City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-1 Well Condition: OK  
 Well Diameter 4" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth 19.08 ft. Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 3.56 ft. 6" = 1.50 12" = 5.80

15.52 x VF .66 = 10.24 x 3 (case volume) = Estimated Purge Volume: 30.72 (gal.)

Purge Equipment: Disposable Bailer Bailer (Stack) Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 2:26 Weather Conditions: CLOUDY  
 Sampling Time: 2:53 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: 2.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm) x 100	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:31</u>	<u>10.5</u>	<u>6.77</u>	<u>610</u>	<u>62.3</u>	<u>PRE-3.04</u>		
<u>2:36</u>	<u>21.0</u>	<u>6.79</u>	<u>576</u>	<u>61.8</u>			
<u>2:41</u>	<u>31.0</u>	<u>6.74</u>	<u>552</u>	<u>61.5</u>			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCC</u>	<u>SEQUOIA</u>	<u>TPH/GTEX/MTOE</u>
	<u>1 LT. AMBER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121  
 Address: 3026 LAKE SHORE AVE.  
 City: OAKLAND, CA

Job#: 386462  
 Date: 3-1-01  
 Sampler: FRANK T.

Well ID: MW-2A  
 Well Diameter: 2" in.  
 Total Depth: 17.56 ft.  
 Depth to Water: 4.50 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

13.06 x VF .17 2.22 x 3 (case volume) = Estimated Purge Volume: 6.66 (gal.)

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 3:40  
 Sampling Time: 4:04  
 Purging Flow Rate: — gpm.  
 Did well de-water? NO

Weather Conditions: CLOUDY  
 Water Color: CLOUDY / Grey Odor: YES  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:46</u>	<u>2.5</u>	<u>6.79</u>	<u>1630</u>	<u>60.9</u>	_____	_____	_____
<u>3:51</u>	<u>5.0</u>	<u>6.70</u>	<u>1906</u>	<u>62.1</u>	_____	_____	_____
<u>3:57</u>	<u>7.0</u>	<u>6.65</u>	<u>1976</u>	<u>61.8</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION						
SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES	
<u>MW-2A</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTOE</u>	
	<u>1 LT. AMBER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>	

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



## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121  
 Address: 3026 LAKESHORE AVE.  
 City: OAKLAND, CA

Job #: 386462  
 Date: 3-1-01  
 Sampler: FRANK T.

Well ID: MW-3A  
 Well Diameter: 2" in.  
 Total Depth: 18.15 ft.  
 Depth to Water: 7.82 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

$10.33 \times VF .17 = 1.75 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 5.26 \text{ (gal.)}$

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 10:51  
 Sampling Time: 11:07  
 Purging Flow Rate: - gpm.  
 Did well de-water? No

Weather Conditions: CLOUDY  
 Water Color: CLEAR Odor: NO  
 Sediment Description: \_\_\_\_\_  
 If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 1000$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:54	1.5	7.52	227	60.7			
10:57	3.0	7.25	284	62.2			
11:01	5.0	7.07	309	62.7			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3A	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH G/BTEX/MTOE
	1 LT. AMBER	"	NONE	"	TPH-D

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121 Job#: 386462  
 Address: 3026 LAKESHORE AVE. Date: 3-1-01  
 City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-4A Well Condition: OK  
 Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth 18.67 ft. Volume Factor (VF)  $2" = 0.17$   $3" = 0.38$   $4" = 0.66$   
 Depth to Water 5.68 ft.  $6" = 1.50$   $12" = 5.80$

12.99 x VF .17 2.20 x 3 (case volume) = Estimated Purge Volume: 6.62 (gal.)

Purge Equipment: Disposable Bailer Bailer (Stack) Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 1:43 Weather Conditions: CLOUDY  
 Sampling Time: 2:02 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: 2.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 1000$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:45	2.5	7.02	296	66.7			
1:49	5.0	6.94	310	67.4			
1:51	7.0	6.99	313	66.5			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4A	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTOE
	1 LT. AMBER	"	NONE	"	TPH-D

COMMENTS: SLOW RECOVERY

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121  
 Address: 3026 LAKESHORE AVE.  
 City: OAKLAND, CA

Job #: 386462  
 Date: 3-1-01  
 Sampler: FRANK T.

Well ID: MW-5  
 Well Diameter: 2" in.  
 Total Depth: 33.25 ft.  
 Depth to Water: 10.30 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

22.95 x VF .17 = 3.90 x 3 (case volume) = Estimated Purge Volume: 11.70 (gal.)

Purge Equipment: Disposable Bailer Bailer (Stack) Suction Grundfos Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 11:27  
 Sampling Time: 11:49  
 Purging Flow Rate: 2.0 gpm.  
 Did well de-water? NO

Weather Conditions: CLOUDY  
 Water Color: CLEAR Odor: NO  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:29</u>	<u>4.0</u>	<u>7.61</u>	<u>952</u>	<u>64.1</u>	_____	_____	_____
<u>11:31</u>	<u>8.0</u>	<u>7.32</u>	<u>931</u>	<u>65.5</u>	_____	_____	_____
<u>11:33</u>	<u>12.0</u>	<u>7.41</u>	<u>1061</u>	<u>66.0</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 x VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH6/BTEX/MTOE</u>
	<u>1 LT. AMBER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121 Job#: 386462  
 Address: 3026 LAKE SHORE AVE. Date: 3-1-01  
 City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-6 Well Condition: OK  
 Well Diameter 2" in. Hydrocarbon Amount Bailed  
 Thickness: 0 in. (product/water): 0 (gal.)  
 Total Depth 18.82 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 4.89 ft. Factor (VF) 6" = 1.50 12" = 5.80

13.93 x VF .17 = 2.36 x 3 (case volume) = Estimated Purge Volume: 7.10 (gal.)

Purge Equipment: Disposable Bailer (Stack) Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 12:30 Weather Conditions: CLOUDY  
 Sampling Time: 12:48 Water Color: CLOUDY / GREY <sup>CHARCOAL</sup> Odor: YES  
 Purging Flow Rate: 2.0 gpm. Sediment Description: SILTY  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm x 1000)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:32	2.5	7.15	400	68.3			
12:34	5.0	7.06	422	68.9			
12:36	7.0	7.09	429	67.9			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x VOA VIAL	Y	HCL	SEQUOIA	TPH/G/BTEX/MTOE
	1 LT. AMBER	"	NONE	"	TPH-D

COMMENTS: STRONG REACTION TO HCL

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121  
 Address: 3026 LAKE SHORE AVE.  
 City: OAKLAND, CA

Job#: 386462  
 Date: 3-1-01  
 Sampler: FRANK T.

Well ID: MW-7  
 Well Diameter: 2" in.  
 Total Depth: 14.82 ft.  
 Depth to Water: .65 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

14.17 x VF .17 = 2.40 x 3 (case volume) = Estimated Purge Volume: 7.22 (gal.)

Purge Equipment: Disposable Bailer (Stack) Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 12:04 Weather Conditions: SUNNY  
 Sampling Time: 12:19 Water Color: CLEAR Odor: NO  
 Purging Flow Rate: 2.0 gpm Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm X 100)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:06	2.5	7.01	613	64.1			
12:08	5.0	6.98	626	64.7			
12:10	7.0	7.05	631	64.4			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 X VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTOE
	1 LT. AMBER	"	NONE	"	TPH-D

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121 Job#: 386462  
 Address: 3026 LAKESHORE AVE. Date: 3-1-01  
 City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-8 Well Condition: OK  
 Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  
 Total Depth 25.14 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 7.90 ft. Factor (VF) 6" = 1.50 12" = 5.80

17.24 x VF .17 = 2.93 x 3 (case volume) = Estimated Purge Volume: 8.79 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer (Stack)  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 1:06  
 Sampling Time: 1:25  
 Purging Flow Rate: 2.0 gpm.  
 Did well de-water? NO

Weather Conditions: CLOUDY  
 Water Color: CLEAR Odor: NO  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:08</u>	<u>3.0</u>	<u>7.12</u>	<u>1805</u>	<u>64.0</u>	_____	_____	_____
<u>1:10</u>	<u>6.0</u>	<u>7.02</u>	<u>354 x 1000</u>	<u>65.8</u>	_____	_____	_____
<u>1:12</u>	<u>9.0</u>	<u>6.94</u>	<u>346 x 1000</u>	<u>67.5</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3 x VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH/G/BTEX/MTOE</u>
	<u>1 CT. AMBER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-0121  
 Address: 3026 LAKESHORE AVE.  
 City: OAKLAND, CA

Job#: 386462  
 Date: 3-1-01  
 Sampler: FRANK T.

Well ID: MW-9  
 Well Diameter: 2" in.  
 Total Depth: 16.71 ft.  
 Depth to Water: 2.68 ft.

Well Condition: OK  
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)  

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

14.03 x VF .17 2.38 x 3 (case volume) = Estimated Purge Volume: 7.15 (gal.)

Purge Equipment: (Disposable Bailer)  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: (Disposable Bailer)  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 3:07  
 Sampling Time: 3:30  
 Purging Flow Rate: — gpm.  
 Did well de-water? No

Weather Conditions: CLOUDY  
 Water Color: CLEAR Odor: YES  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:12</u>	<u>2.5</u>	<u>6.82</u>	<u>557</u>	<u>59.4</u>	_____	_____	_____
<u>3:17</u>	<u>5.0</u>	<u>6.76</u>	<u>549</u>	<u>58.2</u>	_____	_____	_____
<u>3:22</u>	<u>7.0</u>	<u>6.69</u>	<u>526</u>	<u>57.8</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3 x VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH/G/BTEX/MTOE</u>
	<u>1 LT. AMBER</u>	<u>"</u>	<u>NONE</u>	<u>"</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____

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

Chevron Products Co.  
P.O. BOX 6004  
San Ramon, CA 94583  
FAX (925)842-8370

Chevron Facility Number #9-0121  
Facility Address 3026 LAKESHORE AVE., OAKLAND, CA.  
Consultant Project Number 386462  
Consultant Name GETTLER-RYAN INC.  
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568  
Project Contact (Name) DEANNA L. HARDING  
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. TOM BAUHS  
(Phone) (925) 842-8898 W103191  
Laboratory Name SEQUOIA  
Laboratory Service Order  
Laboratory Service Code  
Sample Collected by (Name) FRANK TERRINONI  
Signature *FT*

State Method:  CA  OR  WA  NW Series  CO  UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chloroform	Sample Preservation	Date/Time	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT IDAHO													Lab Sample No.	Remarks										
					BTX/MTBE/TPH GAS (8020 + 8015)	BTX + TPH GAS (8020 + 8015)	TPH (8015)	Organics (8260)	Polycyclic Aromatics (8010)	Pesticides (8260)	Extractable Organics (8270)	Oil and Grease (8320)	Metals (Cd, Cr, Pb, Zn, Ni)	BTX (8020)	BTX/MTBE/Naph. (8020)	TPH - HCD	TPH-D Extended												
TB-LB	1	W	HCL	3-1-01	X														01A										
MW-1	4			14:53	X		X													02A-D									
MW-2A	4			14:04	X		X														03A-D								
MW-3A	4			16:07	X		X															04A-D							
MW-4A	4			14:02	X		X																05A-D						
MW-5	4			11:44	X		X																	06A-D					
MW-6	4			12:48	X		X																		07A-D				
MW-7	4			12:19	X		X																			08A-D			
MW-8	4			13:25	X		X																				09A-D		
MW-9	4			15:30	X		X																					10A-D	

Relinquished By (Signature) <i>FT</i>	Organization G-R INC.	Date/Time 3-9-01	Received By (Signature)	Organization	Date/Time	iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	iced Y/N	





# Sequoia Analytical

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404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673  
[www.sequoialabs.com](http://www.sequoialabs.com)

21 March, 2001

Deanna L. Harding  
Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin, CA 94568

RE: Chevron  
Sequoia Report: W103191

Enclosed are the results of analyses for samples received by the laboratory on 08-Mar-01 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater  
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-0121  
Project Manager: Deanna L. Harding

**Reported:**  
21-Mar-01 07:34

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W103191-01	Water	01-Mar-01 00:00	08-Mar-01 17:15
MW-1	W103191-02	Water	01-Mar-01 14:53	08-Mar-01 17:15
MW-2A	W103191-03	Water	01-Mar-01 14:04	08-Mar-01 17:15
MW-3A	W103191-04	Water	01-Mar-01 16:07	08-Mar-01 17:15
MW-4A	W103191-05	Water	01-Mar-01 14:02	08-Mar-01 17:15
MW-5	W103191-06	Water	01-Mar-01 11:44	08-Mar-01 17:15
MW-6	W103191-07	Water	01-Mar-01 12:48	08-Mar-01 17:15
MW-7	W103191-08	Water	01-Mar-01 12:19	08-Mar-01 17:15
MW-8	W103191-09	Water	01-Mar-01 13:25	08-Mar-01 17:15
MW-9	W103191-10	Water	01-Mar-01 15:30	08-Mar-01 17:15

Sequoia Analytical - Walnut Creek

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Charlie Westwater, Project Manager





Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-0121  
Project Manager: Deanna L. Harding

Reported:  
21-Mar-01 07:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (W103191-01) Water</b> Sampled: 01-Mar-01 00:00 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.7 %	70-130	"	"	"	"	"	P-01
<b>MW-1 (W103191-02) Water</b> Sampled: 01-Mar-01 14:53 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	1000	1000	ug/l	20	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	21	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	280	50	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.7 %	70-130	"	"	"	"	"	P-01
<b>MW-2A (W103191-03) Water</b> Sampled: 01-Mar-01 14:04 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	370	250	ug/l	5	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	30	2.5	"	"	"	"	"	"	
Toluene	4.0	2.5	"	"	"	"	"	"	
Ethylbenzene	12	2.5	"	"	"	"	"	"	
Xylenes (total)	9.2	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.7 %	70-130	"	"	"	"	"	





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Reported:  
21-Mar-01 07:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2A (W103191-03RE1) Water</b> Sampled: 01-Mar-01 14:04 Received: 08-Mar-01 17:15 <span style="float:right">P-01</span>									
Methyl tert-butyl ether	8200	2500	ug/l	1000	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	CC-3
Surrogate: a,a,a-Trifluorotoluene		97.7 %	70-130		"	"	"	"	
<b>MW-3A (W103191-04) Water</b> Sampled: 01-Mar-01 16:07 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	1.0	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	19	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		96.3 %	70-130		"	"	"	"	
<b>MW-4A (W103191-05) Water</b> Sampled: 01-Mar-01 14:02 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	1000	ug/l	20	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	10	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	4600	50	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		101 %	70-130		"	"	"	"	
<b>MW-5 (W103191-06) Water</b> Sampled: 01-Mar-01 11:44 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		95.7 %	70-130		"	"	"	"	

Sequoia Analytical - Walnut Creek

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Project: Chevron  
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Project Manager: Deanna L. Harding

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21-Mar-01 07:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-6 (W103191-07) Water</b> Sampled: 01-Mar-01 12:48 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.7 %	70-130		"	"	"	"	
<b>MW-7 (W103191-08) Water</b> Sampled: 01-Mar-01 12:19 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.0 %	70-130		"	"	"	"	
<b>MW-8 (W103191-09) Water</b> Sampled: 01-Mar-01 13:25 Received: 08-Mar-01 17:15									
Purgeable Hydrocarbons	ND	50	ug/l	1	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.0 %	70-130		"	"	"	"	





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**Reported:**  
21-Mar-01 07:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting							Notes
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	
MW-9 (W103191-10) Water		Sampled: 01-Mar-01 15:30 Received: 08-Mar-01 17:15							P-01
Purgeable Hydrocarbons	2400	1000	ug/l	20	1C14001	14-Mar-01	14-Mar-01	EPA 8015M/8020	
Benzene	11	10	"	"	"	"	"	"	
Toluene	18	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	250	50	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		96.7 %		70-130	"	"	"	"	





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**Reported:**  
21-Mar-01 07:34

**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (W103191-02) Water</b> <b>Sampled: 01-Mar-01 14:53</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	610	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		84.1 %	50-150		"	"	"	"	
<b>MW-2A (W103191-03) Water</b> <b>Sampled: 01-Mar-01 14:04</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	590	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		61.0 %	50-150		"	"	"	"	
<b>MW-3A (W103191-04) Water</b> <b>Sampled: 01-Mar-01 16:07</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	66	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-12
Surrogate: n-Pentacosane		72.1 %	50-150		"	"	"	"	
<b>MW-4A (W103191-05) Water</b> <b>Sampled: 01-Mar-01 14:02</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	600	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		61.0 %	50-150		"	"	"	"	
<b>MW-5 (W103191-06) Water</b> <b>Sampled: 01-Mar-01 11:44</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	ND	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	
Surrogate: n-Pentacosane		63.1 %	50-150		"	"	"	"	
<b>MW-6 (W103191-07) Water</b> <b>Sampled: 01-Mar-01 12:48</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	190	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		80.2 %	50-150		"	"	"	"	
<b>MW-7 (W103191-08) Water</b> <b>Sampled: 01-Mar-01 12:19</b> <b>Received: 08-Mar-01 17:15</b>									
Diesel Range Hydrocarbons	ND	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	
Surrogate: n-Pentacosane		91.0 %	50-150		"	"	"	"	





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**Reported:**  
21-Mar-01 07:34

**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8 (W103191-09) Water</b> Sampled: 01-Mar-01 13:25 Received: 08-Mar-01 17:15									
Diesel Range Hydrocarbons	51	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-12
Surrogate: n-Pentacosane		72.1 %		50-150	"	"	"	"	
<b>MW-9 (W103191-10) Water</b> Sampled: 01-Mar-01 15:30 Received: 08-Mar-01 17:15									
Diesel Range Hydrocarbons	960	50	ug/l	1	1C14017	14-Mar-01	15-Mar-01	EPA 8015M	D-14
Surrogate: n-Pentacosane		76.0 %		50-150	"	"	"	"	







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21-Mar-01 07:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1C14001 - EPA 5030B P/T**

**Blank (1C14001-BLK1)**

Prepared & Analyzed: 14-Mar-01

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.4		"	30.0		101	70-130			

**LCS (1C14001-BS1)**

Prepared & Analyzed: 14-Mar-01

Benzene	20.1	0.50	ug/l	20.0		101	70-130			
Toluene	21.0	0.50	"	20.0		105	70-130			
Ethylbenzene	21.7	0.50	"	20.0		109	70-130			
Xylenes (total)	65.4	0.50	"	60.0		109	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.1		"	30.0		97.0	70-130			

**Matrix Spike (1C14001-MS1)**

Source: W103190-02

Prepared & Analyzed: 14-Mar-01

Benzene	20.7	0.50	ug/l	20.0	ND	104	70-130			
Toluene	21.3	0.50	"	20.0	ND	106	70-130			
Ethylbenzene	22.0	0.50	"	20.0	ND	110	70-130			
Xylenes (total)	65.7	0.50	"	60.0	ND	109	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.8		"	30.0		106	70-130			

**Matrix Spike Dup (1C14001-MSD1)**

Source: W103190-02

Prepared & Analyzed: 14-Mar-01

Benzene	20.4	0.50	ug/l	20.0	ND	102	70-130	1.46	20	
Toluene	21.0	0.50	"	20.0	ND	105	70-130	1.42	20	
Ethylbenzene	21.5	0.50	"	20.0	ND	108	70-130	2.30	20	
Xylenes (total)	64.6	0.50	"	60.0	ND	108	70-130	1.69	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.9		"	30.0		106	70-130			





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21-Mar-01 07:34

**Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
<b>Batch 1C14017 - EPA 3510B</b>									
<b>Blank (1C14017-BLK1)</b>					Prepared: 14-Mar-01 Analyzed: 16-Mar-01				
Diesel Range Hydrocarbons	ND	50	ug/l						
Surrogate: <i>n</i> -Pentacosane	31.7		"	33.3		95.2 50-150			
<b>LCS (1C14017-BS1)</b>					Prepared: 14-Mar-01 Analyzed: 16-Mar-01				
Diesel Range Hydrocarbons	393	50	ug/l	500		78.6 60-140			
Surrogate: <i>n</i> -Pentacosane	32.7		"	33.3		98.2 50-150			
<b>LCS Dup (1C14017-BSD1)</b>					Prepared: 14-Mar-01 Analyzed: 15-Mar-01				
Diesel Range Hydrocarbons	386	50	ug/l	500		77.2 60-140	1.80	50	
Surrogate: <i>n</i> -Pentacosane	14.7		"	33.3		44.1 50-150			S-LIM





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21-Mar-01 07:34

### Notes and Definitions

- CC-3 Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
- D-12 Chromatogram Pattern: Unidentified Hydrocarbons > C16
- D-14 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- P-01 Chromatogram Pattern: Gasoline C6-C12
- S-LIM Surrogate recovery was outside QC limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

