



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

May 4, 2001

Ro500

JUN 15 2001

Ms. Susan Hugo  
Alameda County Health Care Service,  
Department of Environmental Health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: *First Semi-Annual Event of March 22, 2001  
Groundwater Monitoring and Sampling Report  
Chevron Service Station No. 9-1026  
3701 Broadway  
Oakland, California  
Delta Project No. DG91-026*

Dear Ms. Hugo:

Attached for your review and comment is a letter report entitled *Second Semi-Annual Event of March 22, 2001, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the March 2001 groundwater monitoring and sampling event.

During 2001, separate-phase hydrocarbon skimmers will be maintained in monitoring wells B, B2 and B3.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

A handwritten signature in dark ink, appearing to read "Jim Brownell", is written over a printed name and title. The signature is fluid and cursive.

Jim Brownell  
Portfolio Manager

JRB (1st Semi-annual 2001 QMR-9-1026.doc)  
Enclosures

cc: w/o enclosure Steve Carter – Gettler-Ryan Inc.



# GETTLER - RYAN INC.

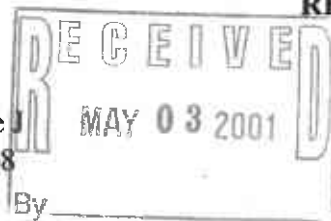
## TRANSMITTAL

May 2, 2001  
G-R #: 385127

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**  
**# 9-1026**  
**3701 Broadway**  
**Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	May 1, 2001	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of March 22, 2001

COMMENTS:

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

Ms. Susan Hugo, 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 15, 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  
Mr. W. Bruce Bercovich, Kay & Merkel, 100 The Embarcadero, 3<sup>rd</sup> Floor, San Francisco, CA 94105

Enclosures

trans/9-1026-TB



# GETTLER - RYAN INC.

May 1, 2001  
G-R Job #385127

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

**RE: First Semi-Annual Event of March 22, 2001**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-1026  
3701 Broadway  
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.

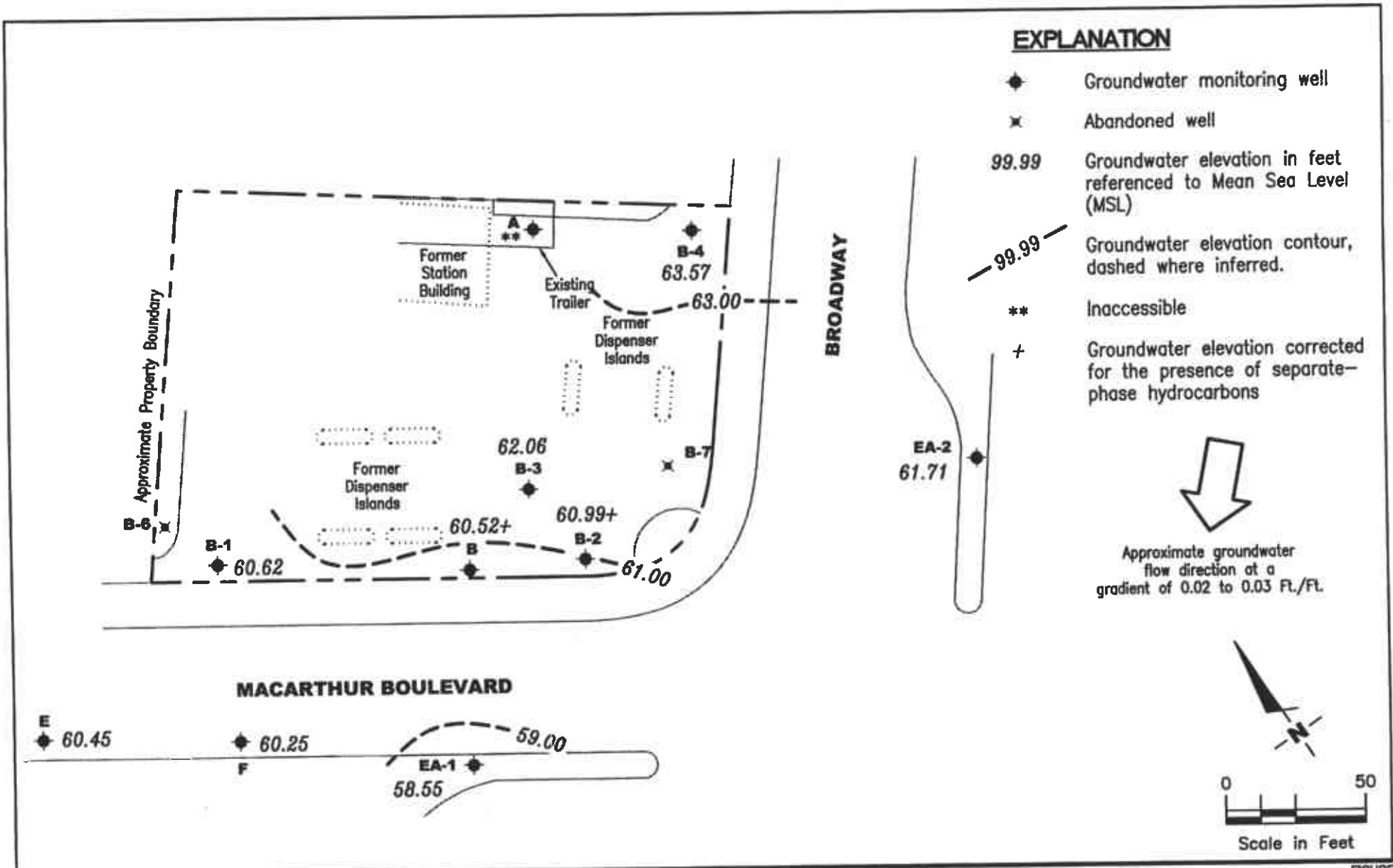
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



- Figure 1: Potentiometric Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- 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 #9-1026  
 3701 Broadway  
 Oakland, California

FIGURE  
**1**

PROJECT NUMBER 385127      REVIEWED BY      DATE March 22, 2001      REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH							
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
A												
05/09/89	75.28	61.36	13.92	--	--	11,000	260	<2.0	94	230	--	
08/09/89	75.28	59.66	15.62	--	--	12,000	370	<1.5	100	240	--	
11/09/89	75.28	59.33	15.95	--	--	16,000	690	10	180	350	--	
02/08/90	75.28	60.55	14.73	--	--	14,000	600	7.0	120	270	--	
05/10/90	75.28	59.80	15.48	--	--	16,000	840	4.8	140	340	--	
08/09/90	75.28	59.62	15.66	--	--	17,000	510	40	170	280	--	
11/13/90	75.28	58.80	16.48	--	--	9000	570	3.1	86	170	--	
03/27/91	75.28	--	--	--	--	8000	660	<5.0	110	250	--	
04/05/91	75.28	62.06	13.22	--	--	--	--	--	--	--	--	
06/19/91	75.28	59.91	15.37	--	--	8900	740	<3.0	120	280	--	
08/21/91	75.28	59.29	15.99	--	--	6800	620	23	85	200	--	
11/08/91	75.28	59.13	16.15	--	--	4000	640	<5.0	77	160	--	
02/13/92	75.28	60.70	14.58	--	--	8000	860	<5.0	120	390	--	
05/01/92	75.28	61.02	14.26	--	--	13,000	870	19	220	780	--	
11/18/92	75.29	58.91	16.38	--	--	12,000	1500	83	360	530	--	
03/19/93	75.29	63.13	12.16	--	--	14,000	820	6.1	180	420	--	
06/10/93	75.29	61.04	14.25	--	--	9000	700	13	170	310	--	
09/08/93	75.29	--	--	--	--	--	--	--	--	--	--	
12/21/93	75.29	--	--	--	--	--	--	--	--	--	--	
03/09/94	75.29	61.95	13.34	--	--	9600	860	21	200	390	--	
09/21/94	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
12/20/94	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
03/28/95	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
06/22/95	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
09/21/95	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
03/22/96	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
09/25/96	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
03/06/97	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--	
09/12/97	75.29	60.73	14.56	--	--	2600	460	<10	70	11	67	
04/02/98	75.29	66.54	8.75	--	--	1,700 <sup>2</sup>	130	1.7	44	42	<2.5	
09/15/98	75.29	--	--	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>A (cont)</b>											
03/09/99	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--
03/14/00	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--
08/28/00	75.29	MONITORED/SAMPLED ANNUALLY			--	--	--	--	--	--	--
03/22/01	75.29	INACCESSIBLE		--	--	--	--	--	--	--	--
<b>B</b>											
05/09/89	73.39	59.58	13.97	0.20	--	--	--	--	--	--	--
08/09/89	73.39	57.86	15.69	0.20	--	--	--	--	--	--	--
11/09/89	73.39	58.16	15.29	0.08	--	--	--	--	--	--	--
02/08/90	73.39	58.93	14.46	--	--	--	--	--	--	--	--
05/10/90	73.39	58.32	14.07	--	--	--	--	--	--	--	--
08/09/90	73.39	58.27	15.12	--	--	--	--	--	--	--	--
11/13/90	73.39	57.63	15.76	--	--	--	--	--	--	--	--
04/05/91	73.39	60.01	13.38	--	--	--	--	--	--	--	--
06/19/91	73.39	58.25	15.14	--	--	26,000	7100	370	430	1000	--
08/21/91	73.39	57.81	15.58	--	--	16,000	4900	270	390	640	--
11/08/91	73.39	57.68	15.71	--	--	11,000	2400	48	280	160	--
02/13/92	73.39	58.73	14.66	--	--	6800	2400	60	220	140	--
05/01/92	73.39	58.89	14.50	Sheen	--	16,000	6000	180	370	460	--
11/18/92	73.39	57.79	15.60	--	--	28,000	2200	150	920	4300	--
03/19/93	73.39	60.12	13.29	0.03	--	--	--	--	--	--	--
06/10/93	73.39	59.11	14.30	0.03	--	--	--	--	--	--	--
09/08/93	73.39	58.25	15.33	0.24	--	--	--	--	--	--	--
12/21/93	73.39	58.76	14.73	0.12	--	--	--	--	--	--	--
03/09/94	73.39	59.35	14.07	0.04	--	--	--	--	--	--	--
09/21/94	73.39	57.91	15.50	0.02 <sup>1</sup>	--	--	--	--	--	--	--
12/20/94	73.39	59.88	13.75	0.12	--	--	--	--	--	--	--
3/28/952	73.39	--	--	--	--	--	--	--	--	--	--
06/22/95	73.39	58.92	14.56	0.11	1.000	--	--	--	--	--	--
09/21/95	73.39	58.41	15.88	1.12	2.000	--	--	--	--	--	--
03/22/96	73.39	61.19	13.02	1.02	2.000	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DIW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>B (cont)</b>											
09/25/96	73.39	58.81	15.76	1.47	1.500	--	--	--	--	--	--
03/06/97	73.39	59.95	14.30	1.08	2.000	--	--	--	--	--	--
09/12/97	73.39	59.32	14.61	0.68	3.000	--	--	--	--	--	--
04/02/98	73.39	61.04	12.50	0.19	3.000	--	--	--	--	--	--
09/15/98	73.39	59.60**	14.87	1.35	5.000	--	--	--	--	--	--
03/09/99	73.39	60.41**	13.41	0.54	0.132	--	--	--	--	--	--
09/29/99	73.39	58.56**	15.80	1.21	0.130	--	--	--	--	--	--
03/14/00	73.39	61.70**	12.80	1.39	0.400	--	--	--	--	--	--
08/28/00	73.39	58.96**	15.29	1.07	0.26 <sup>5</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
03/22/01	73.39	60.52**	13.26	0.49	0.26 <sup>5</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
<b>B-1</b>											
05/09/89	71.77	59.19	12.58	--	--	16,000	2300	260	81	740	--
08/09/89	71.77	57.68	14.09	--	--	12,000	2600	340	100	870	--
11/09/89	71.77	57.71	14.06	--	--	17,000	340	140	110	760	--
02/08/90	71.77	59.12	12.65	--	--	5500	70	19	17	150	--
05/10/90	71.77	58.15	13.62	--	--	18,000	770	110	73	600	--
08/09/90	71.77	57.90	13.87	--	--	82,000	750	66	95	980	--
11/13/90	71.77	57.39	14.38	--	--	43,000	1300	120	74	760	--
03/27/91	71.77	--	--	--	--	18,000	580	92	94	770	--
04/05/91	71.77	60.04	11.73	--	--	--	--	--	--	--	--
06/19/91	71.77	58.21	13.56	--	--	21,000	910	56	96	810	--
08/21/91	71.77	57.87	13.90	--	--	50,000	2400	610	300	1800	--
11/08/91	71.77	57.72	14.05	--	--	540,000	3600	1500	1900	5900	--
02/13/92	71.77	59.09	12.68	--	--	20,000	500	100	150	920	--
05/01/92	71.77	58.85	12.92	Sheen	--	27,000	2800	200	310	1900	--
11/18/92	72.30	58.00	14.30	--	--	300	9.7	3.4	2.3	21	--
03/19/93	72.30	60.02	12.28	--	--	130	23	0.9	<0.5	5.6	--
06/10/93	72.30	59.26	13.04	--	--	170	21	1.1	0.8	6.6	--
09/08/93	72.30	58.46	13.88	0.05	--	--	--	--	--	--	--
12/21/93	72.30	58.77	13.53	--	--	<50	6.7	0.5	<0.5	1.2	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>B-1 (cont)</b>											
03/09/94	72.30	59.65	12.65	--	--	1300	520	8.8	2.4	53	--
09/21/94	72.30	57.90	14.40	--	--	390	130	2.7	2.4	7.7	--
12/20/94	72.30	59.95	12.35	--	--	1600	520	9.9	8.9	34	--
03/28/95	72.30	61.54	10.76	--	--	160	38	2.1	1.4	5.4	--
06/22/95	72.30	59.70	12.60	--	--	340	73	3.1	2.4	7.5	--
09/21/95	72.30	58.65	13.65	--	--	140	19	1.0	1.2	6.1	--
03/22/96	72.30	61.36	10.94	--	--	200	<0.5	0.6	2.1	2.2	<5.0
09/25/96	72.30	58.54	13.76	--	--	690	5.4	1.2	1.6	6.8	<5.0
03/06/97	72.30	60.22	12.08	--	--	420	31	1.0	2.5	4.3	5.9
09/12/97	72.30	58.76	13.54	--	--	170	31	1.4	1.6	4.6	11
04/02/98	72.30	61.57	10.73	--	--	670 <sup>2</sup>	91	4.2	8.7	17	<2.5
09/15/98	72.30	59.49	12.81	--	--	<50	1.5	<0.5	<0.5	<0.5	<10
03/09/99	72.30	60.69	11.61	--	--	1200	570	5.3	5.6	48	<25
09/29/99	72.30	58.67	13.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/14/00	72.30	61.91	10.39	--	--	225	78.5	1.49	1.88	4.17	<5.0
08/28/00	72.30	59.16	13.14	0.00	0.00	290 <sup>3</sup>	42	1.9	4.3	6.3	21
<b>03/22/01</b>	<b>72.30</b>	<b>60.62</b>	<b>11.68</b>	<b>0.00</b>	<b>0.00</b>	<b>1,690<sup>6</sup></b>	<b>181</b>	<b>7.94</b>	<b>20.4</b>	<b>17.4</b>	<b>56.9</b>
<b>B-2</b>											
05/09/89	74.51	59.93	14.58	--	--	170,000	30,000	8400	2300	12,000	--
08/09/89	74.51	58.45	16.06	--	--	60,000	29,000	8700	2400	12,000	--
11/09/89	74.51	57.56	16.95	--	--	110,000	32,000	5500	2800	12,000	--
02/08/90	74.51	58.95	15.56	--	--	67,000	28,000	5900	2300	11,000	--
05/10/90	74.51	58.57	15.94	--	--	69,000	24,000	4800	2000	11,000	--
08/09/90	74.51	58.54	15.97	--	--	100,000	33,000	4000	2100	12,000	--
11/13/90	74.51	57.81	16.70	--	--	110,000	33,000	4300	2900	13,000	--
03/27/91	74.51	--	--	--	--	160,000	26,000	3200	2600	15,000	--
04/05/91	74.51	60.31	14.20	--	--	--	--	--	--	--	--
06/19/91	74.51	58.68	15.83	--	--	100,000	22,000	2500	2000	11,000	--
08/21/91	74.51	58.20	16.31	--	--	80,000	28,000	2800	2400	12,000	--
11/08/91	74.51	57.91	16.60	--	--	94,000	29,000	1900	2200	11,000	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>B-2 (cont)</b>											
02/13/92	74.51	58.58	15.93	--	--	280,000	34,000	2500	4600	23,000	--
05/01/92	74.51	59.57	14.94	Sheen	--	29,000	1700	300	1100	4300	--
11/18/92	74.52	57.81	16.71	--	--	26,000	11,000	170	870	950	--
03/19/93	74.52	60.46	14.06	--	--	110,000	28,000	1200	2200	12,000	--
06/10/93	74.52	59.64	14.88	--	--	140,000	15,000	930	1900	8800	--
09/08/93	74.52	58.52	16.03	0.04	--	--	--	--	--	--	--
12/21/93	74.52	58.91	15.61	--	--	980,000	21,000	30,000	9100	71,000	--
03/09/94	74.52	59.99	14.53	Sheen	--	110,000	23,000	920	1300	7800	--
9/21/94	74.52	INACCESSIBLE	--	--	--	--	--	--	--	--	--
12/20/94	74.52	59.86	14.65	--	--	70,000	25,000	710	920	5300	--
03/28/95	74.52	62.22	12.30	--	--	76,000	20,000	920	1200	5200	--
06/22/95	74.52	60.30	14.22	--	--	89,000	21,000	38,000	1500	6800	--
09/21/95	74.52	58.72	15.80	--	--	84,000	24,000	2900	1800	9800	--
03/22/96	74.52	61.69	12.85	0.02	0.250	--	--	--	--	--	--
09/25/96	74.52	58.56	15.98	0.03	0.250	--	--	--	--	--	--
03/06/97	74.52	60.43	14.11	0.02	0.000	--	--	--	--	--	--
09/12/97	74.52	59.19	15.35	0.03	1.500	--	--	--	--	--	--
04/02/98	74.52	61.74	13.07	0.36	2.000	--	--	--	--	--	--
09/15/98	74.52	59.48**	15.50	0.58	0.500	--	--	--	--	--	--
03/09/99	74.52	61.56**	13.29	0.41	0.079	--	--	--	--	--	--
09/29/99	74.52	58.69**	16.34	0.64	0.080	--	--	--	--	--	--
03/14/00	74.52	62.02**	12.65	0.19	0.040	--	--	--	--	--	--
08/28/00	74.52	59.11**	15.80	0.49	0.26 <sup>5</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
03/22/01	74.52	60.99**	13.77	0.30	0.07 <sup>5</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
<b>B-3</b>											
05/09/89	74.12	60.01	14.02	--	--	70,000	12,000	9500	400	8900	--
08/09/89	74.12	58.74	15.38	--	--	--	--	--	--	--	--
11/09/89	74.12	58.61	15.55	0.05	--	--	--	--	--	--	--
02/08/90	74.12	59.44	14.68	<0.01	--	--	--	--	--	--	--
05/10/90	74.12	58.99	15.15	0.02	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>B-3 (cont)</b>											
08/09/90	74.12	58.85	15.27	<0.01	--	--	--	--	--	--	--
11/13/90	74.12	58.13	16.04	0.06	--	--	--	--	--	--	--
04/05/91	74.12	60.82	13.30	<0.01	--	--	--	--	--	--	--
06/19/91	74.12	58.96	15.16	--	--	260,000	20,000	9000	2200	16,000	--
08/21/91	74.12	58.51	15.61	--	--	70,000	28,000	11,000	1800	11,000	--
11/08/91	74.12	58.35	15.77	--	--	150,000	29,000	9700	2200	13,000	--
02/13/92	74.12	59.24	14.88	--	--	100,000	27,000	9906	2000	11,000	--
05/01/92	74.12	59.93	14.20	0.01	--	--	--	--	--	--	--
11/18/92	74.13	58.47	15.68	0.03	--	--	--	--	--	--	--
03/19/93	74.13	61.24	13.75	1.08	--	--	--	--	--	--	--
06/10/93	74.13	60.04	14.79	0.87	--	--	--	--	--	--	--
09/08/93	74.13	58.81	15.38	0.08	--	--	--	--	--	--	--
12/21/93	74.13	59.39	14.74	--	--	1,100,000	18,000	29,000	8900	59,000	--
03/09/94	74.13	60.60	13.53	--	--	130,000	11,000	20,000	1700	15,000	--
09/21/94	74.13	58.45	15.70	0.02 <sup>1</sup>	--	--	--	--	--	--	--
12/20/94	74.13	60.67	13.48	0.03	--	--	--	--	--	--	--
03/28/95	74.13	--	--	1.54	2.000	--	--	--	--	--	--
06/22/95	74.13	60.86	14.25	1.23	0.500	--	--	--	--	--	--
09/21/95	74.13	59.12	15.25	0.30	0.500	--	--	--	--	--	--
03/22/96	74.13	62.97	11.46	0.37	0.250	--	--	--	--	--	--
09/25/96	74.13	60.13	14.82	1.02	1.000	--	--	--	--	--	--
03/06/97	74.13	61.23	13.12	0.28	0.500	--	--	--	--	--	--
09/12/97	74.13	59.56	14.67	0.13	2.000	--	--	--	--	--	--
04/02/98	74.13	62.93	11.20	Sheen	--	160,000	27,000	26,000	2500	14,000	<500
09/15/98	74.13	60.12**	14.05	0.05	0.500	--	--	--	--	--	--
03/09/99	74.13	62.77**	11.41	0.06	0.053	--	--	--	--	--	--
09/29/99	74.13	59.23**	15.00	0.13	0.070	--	--	--	--	--	--
03/14/00	74.13	63.15**	10.98	--	--	177,000	15,000	22,000	2910	17,000	<1250
08/28/00	74.13	59.74**	14.41	0.02	0.26 <sup>5</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
<b>03/22/01</b>	<b>74.13</b>	<b>62.06</b>	<b>12.07</b>	<b>0.00</b>	<b>0.00</b>	<b>366,000<sup>3</sup></b>	<b>28,200</b>	<b>31,500</b>	<b>5,460</b>	<b>29,600</b>	<b>&lt;2,500</b>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>B-4</b>											
05/09/89	76.43	61.50	14.93	--	--	3600	840	34	120	200	--
08/09/89	76.43	59.78	16.65	--	--	<500	4200	130	370	260	--
11/09/89	76.43	--	--	--	--	5000	4200	83	400	250	--
02/08/90	76.43	59.44	16.99	--	--	14,000	6000	70	530	300	--
05/10/90	76.43	60.38	16.05	--	--	12,000	5400	130	460	320	--
08/09/90	76.43	59.94	16.49	--	--	16,000	7400	120	530	350	--
11/13/90	76.43	59.79	16.64	--	--	21,000	7000	100	550	320	--
03/27/91	76.43	59.01	17.42	--	--	17,000	8500	120	500	300	--
04/05/91	76.43	61.77	14.66	--	--	14,000	7700	75	610	210	--
06/19/91	76.43	59.95	16.48	--	--	16,000	7800	110	550	340	--
08/21/91	76.43	59.43	17.00	--	--	18,000	11,000	110	450	340	--
11/08/91	76.43	59.05	17.38	--	--	18,000	6800	98	500	620	--
02/13/92	76.43	60.01	16.42	--	--	15,000	9100	86	570	350	--
05/01/92	76.43	60.93	15.50	--	--	36,000	16,000	180	990	690	--
03/19/93	76.43	62.32	14.11	--	--	26,000	15,000	150	900	790	--
06/10/93	76.43	60.99	15.44	--	--	35,000	14,000	180	940	590	--
09/08/93	76.43	59.78	16.65	--	--	34,000	15,000	170	1100	870	--
12/21/93	76.43	59.98	16.45	--	--	30,000	12,000	74	610	340	--
03/09/94	76.43	61.55	14.88	--	--	37,000	15,000	140	1000	580	--
09/21/94	76.43	59.29	17.14	--	--	32,000	14,000	110	660	190	--
12/20/94	76.43	61.44	14.99	--	--	23,000	8400	97	640	530	--
03/28/95	76.43	65.10	11.33	--	--	27,000	9900	120	880	540	--
06/22/95	76.43	61.84	14.59	--	--	33,000	12,000	84	650	150	--
09/21/95	76.43	60.24	16.19	--	--	20,000	12,000	72	540	68	--
03/22/96	76.43	64.43	12.00	--	--	29,000	10,000	72	560	170	400
09/25/96	76.43	60.15	16.28	--	--	53,000	11,000	<50	160	74	<500
03/06/97	76.43	62.87	13.56	--	--	<5,000	17,000	<50	<50	<50	<500
09/12/97	76.43	60.41	16.02	--	--	7600	8100	65	520	38	300
04/02/98	76.43	64.58	11.85	--	--	28,000 <sup>2</sup>	9700	59	760	220	<250
09/15/98	76.43	61.08	15.35	--	--	25,000	12,000	200	900	<200	<1000
03/09/99	76.43	64.11	12.32	--	--	21,000	11,000	<100	770	270	800

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**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>B-4 (cont)</b>											
09/29/99	76.43	60.31	16.12	--	--	8610	9500	32.1	1160	88.2	260
03/14/00	76.43	65.86	10.57	--	--	29,100	11,000	223	1010	556	<500
08/28/00 <sup>4</sup>	76.43	60.78	15.65	0.00	0.00	13,000 <sup>3</sup>	8,600	96	920	74	400
<b>03/22/01</b>	<b>76.43</b>	<b>63.57</b>	<b>12.86</b>	<b>0.00</b>	<b>0.00</b>	<b>14,400<sup>6</sup></b>	<b>6,770</b>	<b>&lt;50.0</b>	<b>224</b>	<b>112</b>	<b>345</b>
<b>B-6</b>											
05/09/89	72.66	60.55	12.11	--	--	26,000	120	110	250	1300	--
08/09/89	72.66	57.94	14.72	--	--	19,000	470	150	440	1400	--
11/09/89	72.66	58.81	13.85	--	--	13,000	70	36	36	440	--
02/08/90	72.66	64.93	7.73	--	--	2900	16	5.0	10	58	--
05/10/90	72.66	--	--	--	--	--	--	--	--	--	--
08/09/90	72.66	58.15	14.51	--	--	14,000	55	3.0	130	500	--
11/13/90	72.66	57.80	14.86	--	--	--	--	--	--	--	--
04/05/91	72.66	62.23	10.43	--	--	--	--	--	--	--	--
ABANDONED											
<b>B-7</b>											
05/09/89	75.40	60.67	14.73	--	--	210,000	13,000	19,000	2000	20,000	--
08/09/89	75.40	59.04	16.36	--	--	672,000	87,000	17,000	2700	30,000	--
11/09/89	75.40	58.76	16.64	--	--	150,000	7000	12,000	1800	16,000	--
02/08/90	75.40	59.71	15.69	--	--	41,000	2500	6900	1100	11,000	--
05/10/90	75.40	--	--	--	--	--	--	--	--	--	--
08/09/90	75.40	59.09	16.31	--	--	50,000	1100	3900	640	7200	--
11/13/90	75.40	58.31	17.09	--	--	--	--	--	--	--	--
04/05/91	75.40	61.04	14.36	--	--	--	--	--	--	--	--
ABANDONED											

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>E</b>											
11/18/92	70.07	57.87	12.20	--	--	280	2.7	2.4	3.0	12	--
03/19/93	70.07	60.10	9.97	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
06/10/93	70.07	59.09	10.98	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/08/93	70.07	58.29	11.80	0.03	--	--	--	--	--	--	--
12/21/93	70.07	58.82	11.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/09/94	70.07	59.40	10.67	--	--	<50	<0.5	0.7	<0.5	0.7	--
09/21/94	70.07	57.78	12.29	--	--	<50	2.5	<0.5	1.0	<0.5	--
12/20/94	70.07	54.54	15.53	--	--	<50	0.5	<0.5	<0.5	<0.5	--
03/28/95	70.07	61.62	8.45	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/22/95	70.07	59.50	10.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	70.07	58.48	11.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/22/96	70.07	61.05	9.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	70.07	57.75	12.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	70.07	--	--	--	--	--	--	--	--	--	--
04/02/98	70.07	61.64	8.43	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	70.07	--	--	--	--	--	--	--	--	--	--
03/09/99	70.07	60.65	9.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/14/00	70.07	61.58	8.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/28/00	70.07	MONITORED/SAMPLED ANNUALLY				--	--	--	--	--	--
<b>03/22/01</b>	<b>70.07</b>	<b>60.45</b>	<b>9.62</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50.0</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;2.50</b>
<b>F</b>											
05/09/89	72.01	53.31	18.70	--	--	<500	<0.5	<0.5	0.6	1.0	--
08/09/89	72.01	52.98	19.03	--	--	--	--	--	--	--	--
11/09/89	72.01	52.99	19.02	--	--	--	--	--	--	--	--
02/08/90	72.01	53.31	18.70	--	--	<50	0.4	<0.3	0.3	<0.6	--
05/10/90	72.01	53.03	18.98	--	--	--	--	--	--	--	--
08/09/90	72.01	53.06	18.95	--	--	--	--	--	--	--	--
11/13/90	72.01	52.91	19.10	--	--	--	--	--	--	--	--
03/27/91	72.01	--	--	--	--	64	<0.5	<0.5	<0.5	1.0	--
06/19/91	72.01	53.06	18.95	--	--	--	--	--	--	--	--

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**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
					Removed (gallons)	TPH-G (ppb)						
<b>F (cont)</b>												
08/21/91	72.01	<52.07	>19.94	--	--	--	--	--	--	--	--	
11/08/91	72.01	<52.07	>19.94	--	--	--	--	--	--	--	--	
02/13/92	72.01	53.41	18.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
05/01/92	72.01	--	Dry	--	--	--	--	--	--	--	--	
11/18/92	71.72	56.87	14.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/19/93	71.72	57.47	14.25	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	
06/10/93	71.72	57.80	13.92	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	
09/08/93	71.72	56.95	14.80	0.04	--	--	--	--	--	--	--	
12/21/93	71.72	58.41	13.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/09/94	71.72	58.73	12.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
09/21/94	71.72	55.42	16.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
12/20/94	71.72	59.15	12.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/28/95	71.72	62.77	8.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
06/22/95	71.72	57.95	13.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
09/21/95	71.72	58.27	13.45	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/22/96	71.72	60.56	11.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
03/06/97	71.72	60.34	11.38	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
09/12/97	71.72	--	--	--	--	--	--	--	--	--	--	
04/02/98	71.72	58.60	13.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
09/15/98	71.72	--	--	--	--	--	--	--	--	--	--	
03/09/99	71.72	58.05	13.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
03/14/00	71.72	58.37	13.35	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
08/28/00	71.72	MONITORED/SAMPLED ANNUALLY				--	--	--	--	--	--	--
<b>03/22/01</b>	<b>71.72</b>	<b>60.25</b>	<b>11.47</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50.0</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;2.50</b>	
<b>EA-1</b>												
05/09/89	73.94	59.38	14.56	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	
08/09/89	73.94	57.85	16.09	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	
11/09/89	73.94	58.10	15.84	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	
02/08/90	73.94	58.89	15.05	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	
05/10/90	73.94	58.29	15.65	--	--	<50	1.0	0.3	<0.3	<0.6	--	

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**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DIW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	
					Removed (gallons)	TPH-G (ppb)						
<b>EA-1 (cont)</b>												
08/09/90	73.94	58.27	15.67	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	
11/13/90	73.94	57.62	16.32	--	--	<50	<0.4	<0.3	<0.3	<0.4	--	
03/27/91	73.94	--	--	--	--	<50	0.7	0.5	<0.5	<0.5	--	
04/05/91	73.94	59.91	14.03	--	--	--	--	--	--	--	--	
06/19/91	73.94	58.38	15.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
08/21/91	73.94	57.95	15.99	--	--	<50	<0.4	<0.3	<0.3	<0.4	--	
11/08/91	73.94	57.81	16.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
02/13/92	73.94	58.84	15.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
05/01/92	73.94	55.14	18.80	--	--	<50	2.7	<0.5	<0.5	<0.5	--	
11/18/92	71.85	55.88	15.97	--	--	<10	<0.3	<0.3	<0.3	<0.5	--	
03/19/93	71.85	58.19	13.66	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	
06/10/93	71.85	57.14	14.71	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	
09/08/93	71.85	56.33	15.58	0.08	--	--	--	--	--	--	--	
12/21/93	71.85	56.83	15.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/09/94	71.85	57.47	14.38	--	--	<50	<0.5	1.0	<0.5	<0.5	--	
09/21/94	71.85	55.73	16.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
12/20/94	71.85	57.80	14.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/28/95	71.85	59.80	12.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
06/22/95	71.85	57.50	14.35	--	--	<50	2.0	<0.5	<0.5	<0.5	--	
09/21/95	71.85	56.49	15.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
03/22/96	71.85	59.14	12.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
03/06/97	71.85	57.97	13.88	--	--	<50	2.8	<0.5	<0.5	0.8	<5.0	
09/12/97	71.85	--	--	--	--	--	--	--	--	--	--	
04/02/98	71.85	59.16	12.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
09/15/98	71.85	--	--	--	--	--	--	--	--	--	--	
03/09/99	71.85	58.85	13.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
03/14/00	71.85	59.76	12.09	--	--	<50	<0.5	<0.5	<0.5	<0.5	6.65	
08/28/00	71.85	MONITORED/SAMPLED ANNUALLY				--	--	--	--	--	--	--
03/22/01	71.85	58.55	13.30	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)	TPH-G (ppb)					
<b>EA-2</b>											
05/09/89	75.24	59.29	15.95	--	--	760	<0.5	<0.5	1.1	<0.5	--
08/09/89	75.24	57.79	17.45	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
11/09/89	75.24	57.83	17.41	--	--	<500	<0.5	1.0	<0.5	<0.5	--
02/08/90	75.24	58.67	16.57	--	--	190	<0.3	<0.3	<0.3	<0.6	--
05/10/90	75.24	58.12	17.12	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
08/09/90	75.24	58.04	17.20	--	--	120	<0.3	<0.3	<0.3	<0.6	--
11/13/90	75.24	57.36	17.88	--	--	160	<0.4	1.0	<0.3	<0.4	--
03/27/91	75.24	--	--	--	--	110	<0.5	<0.5	<0.5	<0.5	--
04/05/91	75.24	59.70	15.54	--	--	--	--	--	--	--	--
06/19/91	75.24	58.17	17.07	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/21/91	75.24	57.78	17.46	--	--	70	0.8	1.4	<0.3	<0.4	--
11/08/91	75.24	57.66	17.58	--	--	<50	<0.5	0.7	<0.5	<0.5	--
02/13/92	75.24	58.55	16.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/01/92	75.24	59.08	16.16	--	--	340	<0.5	2.6	0.7	<0.5	--
11/18/92	76.24	58.63	17.61	--	--	450	<0.5	3.3	<0.5	0.8	--
03/19/93	76.24	61.24	15.00	--	--	450	<0.5	2.3	0.6	<1.5	--
06/10/93	76.24	60.16	16.08	--	--	250	<0.5	1.3	<0.5	<1.5	--
09/08/93	76.24	59.17	17.07	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/21/93	76.24	59.64	16.60	--	--	170	<0.5	1.3	<0.5	<0.5	--
03/09/94	76.24	60.41	15.83	--	--	200	1.8	1.4	<0.5	<0.5	--
09/21/94	76.24	58.64	17.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/94	76.24	60.71	15.53	--	--	950	31	15	1.7	<0.5	--
03/28/95	76.24	62.96	13.28	--	--	71	2.0	0.6	<0.5	<0.5	--
06/22/95	76.24	60.62	15.62	--	--	300	<0.5	3.7	<0.5	0.6	--
09/21/95	76.24	59.46	16.78	--	--	170	<0.5	<0.5	<0.5	<0.5	--
03/22/96	76.24	62.36	13.88	--	--	90	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	76.24	61.18	15.06	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	76.24	--	--	--	--	--	--	--	--	--	--
04/02/98	76.24	62.51	13.73	--	--	230 <sup>2</sup>	0.99	<0.5	<0.5	<0.5	<2.5
09/15/98	76.24	--	--	--	--	--	--	--	--	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>EA-2 (cont)</b>											
03/09/99	76.24	62.03	14.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/14/00	76.24	62.93	13.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/28/00	76.24	MONITORED/SAMPLED ANNUALLY				--	--	--	--	--	--
03/22/01	76.24	61.71	14.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
<b>TRIP BLANK</b>											
05/09/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
08/09/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
11/09/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
02/08/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
05/10/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
08/09/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/13/90	--	--	--	--	--	<50	<0.4	<0.3	<0.3	<0.4	--
03/27/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/19/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/21/91	--	--	--	--	--	<50	<0.4	<0.3	<0.3	<0.4	--
11/08/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/13/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/01/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/18/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/19/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
06/10/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/08/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/21/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/09/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/28/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/22/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>TRIP BLANK (cont)</b>											
09/25/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/06/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/12/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/02/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<10
03/09/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/14/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/28/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
03/22/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1026  
3701 Broadway  
Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to August 28, 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

SPHT = Separate Phase Hydrocarbon Thickness

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

ND = Not Detected

\* TOC elevation referenced to msl.

\*\* GWE was corrected for the presence of SPH; correction factor:  $[(TOC - DTW) + (SPHT \times 0.80)]$ .

<sup>1</sup> Approximate thickness; equipment not functioning properly.

<sup>2</sup> Chromatogram pattern indicated an unidentified hydrocarbon.

<sup>3</sup> Laboratory report indicates gasoline C6-C12.

<sup>4</sup> Laboratory report indicates sample was analyzed outside of the EPA recommended holding time.

<sup>5</sup> Product + water removed.

<sup>6</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.

## 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 9-1026  
 Address: 3701 Broadway  
 City: Oakland, CA

Job#: 385127  
 Date: 3-22-01  
 Sampler: TOAM CAMARDA

Well ID B  
 Well Diameter 4" in.  
 Total Depth \_\_\_\_\_ ft.  
 Depth to Water 13.26 ft.

Well Condition: O.K.  
 Hydrocarbon Thickness: .49 (feet)  
 Amount Bailed (product/water): 1 LITER (Gallons) <sup>(#26 gallons)</sup>  

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

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

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

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

Starting Time: \_\_\_\_\_  
 Sampling Time: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? \_\_\_\_\_

Weather Conditions: \_\_\_\_\_  
 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Sediment Description: \_\_\_\_\_  
 If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ hos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B</u>	<u>10AVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Chevron  
 Facility # 9-1026 Job#: 385127  
 Address: 3701 BROADWAY Date: 3-22-01  
 City: OAKLAND, CA Sampler: T.C

Well ID B-1 Well Condition: 0.1L  
 Well Diameter 2" / 4" in. Hydrocarbon Amount Bailed  
 Thickness: 0 (feet) (product/water): 0 (Gallons)  
 Total Depth 33.06 ft.  
 Depth to Water 11.68 ft.

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

21.38 x VF .66 = 14.1 x 3 (case volume) = Estimated Purge Volume: 42.5 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
~~Suction~~  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: ~~Disposable Bailer~~  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 2:15 Weather Conditions: Clean  
 Sampling Time: 2:38 Water Color: Clean Odor: mtbe  
 Purging Flow Rate: 3 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:20</u>	<u>19.0</u>	<u>7.16</u>	<u>1182</u>	<u>70.1</u>			
<u>12:25</u>	<u>28.0</u>	<u>7.07</u>	<u>1131</u>	<u>70.3</u>			
<u>12:32</u>	<u>42.5</u>	<u>6.98</u>	<u>1098</u>	<u>70.2</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-1</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btex/mtbe</u>

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1026  
 Address: 3701 BROADWAY  
 City: OAKLAND, CA

Job#: 385127  
 Date: 3-22-01  
 Sampler: T.C

Well ID: B-2  
 Well Diameter: 2" / 4" in.  
 Total Depth: \_\_\_\_\_ ft.  
 Depth to Water: 13.77 ft.

Well Condition: Ok  
 Hydrocarbon Thickness: 0.30 (feet)  
 Amount Bailed (product/water): 1/4 LITER (Gallons)  
 (0.7 gallons)  
 Volume Factor (VF) table:  

2" = 0.17	3" = 0.38	4" = 0.66
6" = 1.50	12" = 5.80	

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

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

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

Starting Time: \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sampling Time: \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B-	Voavial	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: Bailed 1/4 Liter of product

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Chevron  
 Facility # 9-1026 Job#: 385127  
 Address: 3701 BROADWAY Date: 3-22-01  
 City: OAKLAND, CA Sampler: T.C.

Well ID B-3 Well Condition: OK  
 Well Diameter (2) 1/4" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)  
 Total Depth 15.63 ft.  
 Depth to Water 12.07 ft.

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

3.56 X VF .17 = .60 X 3 (case volume) = Estimated Purge Volume: 2.0 (gal.)

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

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

Starting Time: 1:40 Weather Conditions: Clean  
 Sampling Time: 1:52 Water Color: Gray / SILTY Odor: Y  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ hos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:44</u>	<u>.50</u>	<u>7.13</u>	<u>1213</u>	<u>69.1</u>			
<u>1:48</u>	<u>1.0</u>	<u>6.81</u>	<u>1223</u>	<u>69.6</u>			
<u>1:52</u>	<u>2.0</u>	<u>6.73</u>	<u>1245</u>	<u>69.8</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-3</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Chevron  
 Facility # 9-1026 Job#: 385127  
 Address: 3701 BROADWAY Date: 3-22-01  
 City: OAKLAND, CA Sampler: T.C

Well ID B-4 Well Condition: O.K  
 Well Diameter 2" / 4" in. Hydrocarbon Amount Bailed  
 Thickness: Ø (feet) (product/water): Ø (Gallons)  
 Total Depth 19.56 ft.  
 Depth to Water 12.86 ft.

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

6.70 X VF .17 = 1.1 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

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

Starting Time: 1:20 Weather Conditions: Clean  
 Sampling Time: 1:30 Water Color: LIGHT BROWN Odor: ✓  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1:22</u>	<u>1.0</u>	<u>6.99</u>	<u>1062</u>	<u>70.0</u>			
<u>1:25</u>	<u>2.0</u>	<u>6.73</u>	<u>1038</u>	<u>70.0</u>			
<u>1:28</u>	<u>3.5</u>	<u>6.68</u>	<u>1041</u>	<u>70.1</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>B-4</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron 9-1026  
 Address: 3701 Broadway  
 City: Oakland, CA

Job#: 385127  
 Date: 3-22-01  
 Sampler: T.C

Well ID E  
 Well Diameter 2" in.  
 Total Depth 33.01 ft.  
 Depth to Water 9.62 ft.

Well Condition: O.K.  
 Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons)  
 Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 6" = 1.50 12" = 5.80

23.39 X VF .17 = 3.9 X 3 (case volume) = Estimated Purge Volume: 12.0 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
~~Stack~~  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

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

Starting Time: 12<sup>10</sup>  
 Sampling Time: 12<sup>30</sup>  
 Purging Flow Rate: 2 gpm.  
 Did well de-water? N

Weather Conditions: Clean  
 Water Color: Clean Odor: N  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12<sup>12</sup></u>	<u>4.0</u>	<u>7.06</u>	<u>1294</u>	<u>71.1</u>			
<u>12<sup>14</sup></u>	<u>8.0</u>	<u>6.98</u>	<u>1261</u>	<u>71.2</u>			
<u>12<sup>17</sup></u>	<u>12.0</u>	<u>6.91</u>	<u>1223</u>	<u>71.3</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>E</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron 9-1026  
 Address: 3701 BROADWAY  
 City: OAKLAND, CA

Job#: 385127  
 Date: 3-22-01  
 Sampler: T.C

Well ID F  
 Well Diameter 2" in.  
 Total Depth 29.38 ft.  
 Depth to Water 11.47 ft.

Well Condition: o.k

Hydrocarbon Thickness:	<u>0</u> (feet)	Amount Bailed (product/water):	<u>0</u> (Gallons)
Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

17.91 X VF .17 = 3.0 X 3 (case volume) = Estimated Purge Volume: 9.0 (gal.)

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

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

Starting Time: 11:45  
 Sampling Time: 12:05  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? N

Weather Conditions: Clear  
 Water Color: LIGHT BROWN Odor: N  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ hos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:48</u>	<u>3.0</u>	<u>7.13</u>	<u>1115</u>	<u>72.3</u>			
<u>11:53</u>	<u>6.0</u>	<u>7.22</u>	<u>1163</u>	<u>71.9</u>			
<u>11:59</u>	<u>9.0</u>	<u>7.07</u>	<u>1194</u>	<u>71.8</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>F</u>	<u>3 Vial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron

Job#: 385127

Address: 3701 Broadway

Date: 3-22-01

City: Oakland, CA

Sampler: T.C

Well ID EA-1

Well Condition: O.K / MISSING LID/BOLTS  
\* SEE PICTURE

Well Diameter 4" in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (Gallons): 0

Total Depth 27.62 ft.

Depth to Water 13.30 ft.

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

14.32 x VF .66 = 9.4 x 3 (case volume) = Estimated Purge Volume: 28.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
~~Suction~~  
Suction  
Grundfos  
Other: \_\_\_\_\_

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

Starting Time: 11<sup>15</sup>

Weather Conditions: Clean

Sampling Time: 11<sup>35</sup>

Water Color: LIGHT BROWN Odor: N

Purging Flow Rate: 3 gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? N

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11<sup>15</sup></u>	<u>7.5</u>	<u>6.98</u>	<u>1091</u>	<u>70.2</u>	_____	_____	_____
<u>11<sup>35</sup></u>	<u>19.0</u>	<u>7.06</u>	<u>1062</u>	<u>70.3</u>	_____	_____	_____
<u>11<sup>30</sup></u>	<u>28.5</u>	<u>6.71</u>	<u>1038</u>	<u>70.1</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>EA-1</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: MISSING LID.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Chevron  
 Facility # 9-1026 Job#: 385127  
 Address: 3701 BROADWAY Date: 3-22-01  
 City: OAKLAND, CA Sampler: T.C

Well ID EA-2 Well Condition: OK  
 Well Diameter 8 1/4" in. Hydrocarbon Amount Bailed  
 Thickness: Ø (feet) (product/water): Ø (Gallons)  
 Total Depth 30.20 ft.  
 Depth to Water 14.53 ft.

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

15.67 X VF .66 = 10.3 X 3 (case volume) = Estimated Purge Volume: 31.0 (gal.)

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

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

Starting Time: 12:40 Weather Conditions: Clean  
 Sampling Time: 1:00 Water Color: Clean Odor: N  
 Purging Flow Rate: 2 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:45</u>	<u>10.5</u>	<u>7.21</u>	<u>1321</u>	<u>71.2</u>			
<u>12:50</u>	<u>21.0</u>	<u>7.18</u>	<u>1267</u>	<u>71.2</u>			
<u>12:55</u>	<u>31.0</u>	<u>7.06</u>	<u>1198</u>	<u>71.3</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>EA-2</u>	<u>3 Voavial</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron 9-1026

Job#: 385127

Address: 3701 Broadway

Date: 3-22-01

City: Oakland, CA

Sampler: T.C

Well ID A

Well Condition: INACCESSIBLE

Well Diameter \_\_\_\_\_ in.

Hydrocarbon Thickness: \_\_\_\_\_ (feet) Amount Bailed (product/water): \_\_\_\_\_ (Gallons)

Total Depth \_\_\_\_\_ ft.

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

Depth to Water \_\_\_\_\_ ft.

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

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

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

Starting Time: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Sampling Time: \_\_\_\_\_

Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? \_\_\_\_\_

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>A</u>	<u>Voavial</u>	<u>Y</u>	<u>HEL</u>	<u>SEQUOIA</u>	<u>TPH(G)/btex/mtbe</u>

COMMENTS: INACCESSIBLE HAD A TRAILER OFFICE OVER WELL.

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

Chevron Facility Number #9-1026  
Facility Address 3701 BROADWAY, OAKLAND, CA.  
385127  
Consultant Project Number \_\_\_\_\_  
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  
Laboratory Name SEQUOIA  
Laboratory Service Order W113529  
Laboratory Service Code \_\_\_\_\_  
Samples Collected by (Name) Tony CAUWREDA  
Signature Tony Caureda

State Method:  CA  OR  WA  NW Series  CO  UT  IDAHO

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chardcod	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 <input type="checkbox"/> IDAHO													Lab Sample No.	Remarks
					BTX/MTBE/TPH GAS (8020 + 8015)	BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Chlorinated (8260)	Purgeable Hydrocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (8330)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni	BTX (8020)	BTX/MTBE/Naph. (8020)	TPH - HCO	TPH-O Extended		
TB-LB	1	W	HCL	3-22-01	X														
B-1	3			3-28	X														
B-3	1			1-25	X														
B-4	1			1-25	X														
EA-1				11-35	X														
EA-2				1-00	X														
F				12-05	X														
E				12-00	X														

Relinquished By (Signature) <u>Tony Caureda</u>	Organization G-R INC.	Date/Time 3-23-01	Received By (Signature) <u>Mike Gordin</u>	Organization Sequoia	Date/Time 3/23/01	Iced Y/N 1340
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)		Date/Time	Iced Y/N

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
5 Days  
10 Days  
As Contracted



# Sequoia Analytical

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

9 April, 2001

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

RE: Chevron  
Sequoia Report: W103529

Enclosed are the results of analyses for samples received by the laboratory on 23-Mar-01 13:40. 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 # 9-1026  
Project Manager: Deanna L. Harding

Reported:  
09-Apr-01 11:17

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W103529-01	Water	22-Mar-01 00:00	23-Mar-01 13:40
B-1	W103529-02	Water	22-Mar-01 15:38	23-Mar-01 13:40
B-3	W103529-03	Water	22-Mar-01 13:55	23-Mar-01 13:40
B-4	W103529-04	Water	22-Mar-01 13:30	23-Mar-01 13:40
EA-1	W103529-05	Water	22-Mar-01 11:35	23-Mar-01 13:40
EA-2	W103529-06	Water	22-Mar-01 13:00	23-Mar-01 13:40
F	W103529-07	Water	22-Mar-01 12:05	23-Mar-01 13:40
E	W103529-08	Water	22-Mar-01 12:20	23-Mar-01 13:40

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 # 9-1026  
Project Manager: Deanna L. Harding

Reported:  
09-Apr-01 11:17

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (W103529-01) Water</b> Sampled: 22-Mar-01 00:00    Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		100 %	70-130	"	"	"	"	"	
<b>B-1 (W103529-02) Water</b> Sampled: 22-Mar-01 15:38    Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	1690	200	ug/l	4	1D04003	04-Apr-01	04-Apr-01	DHS LUFT	P-03
Benzene	181	2.00	"	"	"	"	"	"	
Toluene	7.94	2.00	"	"	"	"	"	"	
Ethylbenzene	20.4	2.00	"	"	"	"	"	"	
Xylenes (total)	17.4	2.00	"	"	"	"	"	"	
Methyl tert-butyl ether	56.9	10.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		81.1 %	70-130	"	"	"	"	"	
<b>B-3 (W103529-03) Water</b> Sampled: 22-Mar-01 13:55    Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	366000	50000	ug/l	1000	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	P-01
Benzene	28200	500	"	"	"	"	"	"	
Toluene	31500	500	"	"	"	"	"	"	
Ethylbenzene	5460	500	"	"	"	"	"	"	
Xylenes (total)	29600	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.0 %	70-130	"	"	"	"	"	





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

Project: Chevron  
Project Number: Chevron # 9-1026  
Project Manager: Deanna L. Harding

Reported:  
09-Apr-01 11:17

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>B-4 (W103529-04) Water</b> Sampled: 22-Mar-01 13:30 Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	14400	5000	ug/l	100	1D04003	04-Apr-01	04-Apr-01	DHS LUFT	P-03
Benzene	6770	50.0	"	"	"	"	"	"	
Toluene	ND	50.0	"	"	"	"	"	"	
Ethylbenzene	224	50.0	"	"	"	"	"	"	
Xylenes (total)	112	50.0	"	"	"	"	"	"	
Methyl tert-butyl ether	345	250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130		"	"	"	"	
<b>EA-1 (W103529-05) Water</b> Sampled: 22-Mar-01 11:35 Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.7 %	70-130		"	"	"	"	
<b>EA-2 (W103529-06) Water</b> Sampled: 22-Mar-01 13:00 Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130		"	"	"	"	





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

Project: Chevron  
Project Number: Chevron # 9-1026  
Project Manager: Deanna L. Harding

Reported:  
09-Apr-01 11:17

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

**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>F (W103529-07) Water</b> Sampled: 22-Mar-01 12:05 Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %		70-130	"	"	"	"	
<b>E (W103529-08) Water</b> Sampled: 22-Mar-01 12:20 Received: 23-Mar-01 13:40									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D02001	02-Apr-01	02-Apr-01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %		70-130	"	"	"	"	





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

Project: Chevron  
Project Number: Chevron # 9-1026  
Project Manager: Deanna L. Harding

Reported:  
09-Apr-01 11:17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1D02001 - EPA 5030B [P/T]**

**Blank (1D02001-BLK1)**

Prepared & Analyzed: 02-Apr-01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							

<i>Surrogate: a, a, a-Trifluorotoluene</i>	10.1		"	10.0		101	70-130			
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**LCS (1D02001-BS1)**

Prepared & Analyzed: 02-Apr-01

Purgeable Hydrocarbons	258	50.0	ug/l	250		103	70-130			
<i>Surrogate: a, a, a-Trifluorotoluene</i>	9.10		"	10.0		91.0	70-130			

**Matrix Spike (1D02001-MS1)**

Source: W103529-05

Prepared & Analyzed: 02-Apr-01

Purgeable Hydrocarbons	226	50.0	ug/l	250	ND	90.4	60-140			
<i>Surrogate: a, a, a-Trifluorotoluene</i>	10.0		"	10.0		100	70-130			

**Matrix Spike Dup (1D02001-MSD1)**

Source: W103529-05

Prepared & Analyzed: 02-Apr-01

Purgeable Hydrocarbons	205	50.0	ug/l	250	ND	82.0	60-140	9.74	25	
<i>Surrogate: a, a, a-Trifluorotoluene</i>	10.7		"	10.0		107	70-130			

**Batch 1D04003 - EPA 5030B [P/T]**

**Blank (1D04003-BLK1)**

Prepared & Analyzed: 04-Apr-01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							

<i>Surrogate: a, a, a-Trifluorotoluene</i>	9.57		"	10.0		95.7	70-130			
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Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-1026  
Project Manager: Deanna L. Harding

**Reported:**  
09-Apr-01 11:17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1D04003 - EPA 5030B [P/T]</b>										
<b>LCS (1D04003-BS1)</b>				Prepared & Analyzed: 04-Apr-01						
Purgeable Hydrocarbons	225	50.0	ug/l	250		90.0	70-130			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	14.4		"	10.0		144	70-130			S-02
<b>Matrix Spike (1D04003-MS1)</b>				Source: MKD0012-03		Prepared & Analyzed: 04-Apr-01				
Purgeable Hydrocarbons	235	50.0	ug/l	250	ND	94.0	60-140			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	14.2		"	10.0		142	70-130			S-02
<b>Matrix Spike Dup (1D04003-MSD1)</b>				Source: MKD0012-03		Prepared & Analyzed: 04-Apr-01				
Purgeable Hydrocarbons	231	50.0	ug/l	250	ND	92.4	60-140	1.72	25	
Surrogate: <i>a, a, a</i> -Trifluorotoluene	12.8		"	10.0		128	70-130			





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09-Apr-01 11:17

### Notes and Definitions

- P-01 Chromatogram Pattern: Gasoline C6-C12
- P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- 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

