



# GETTLER-RYAN INC.

FEB 07 2002

## TRANSMITTAL

January 18, 2002

G-R #386493

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: **Former Chevron Service Station  
#9-0329  
340 Highland Avenue  
Piedmont, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 7, 2002	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 26, 2001

### COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **February 4, 2002**, at which time the final report will be distributed to the following:

- cc: ~~Mr. Scott Sperry, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577~~  
Mr. Chuck Headlee, RWQCB-S.F. Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612  
Mr. Frank Hoffman, Hoffman Investment Co., 1760 Willow Road, Hillsborough, CA 94010  
Mir Ghafari & Fred Manoucheri, Texaco Service Station, 340 Highland, Ave, Piedmont, CA 94611  
Mr. Jeff Orwig, Texaco Service Station, 340 Highland, Ave, Piedmont, CA 94611  
Mr. Jon Robbins, Chevron Products Law, P.O. Box 6004, Building T, Room T-4284, San Ramon, CA 94583 (w/o attachments)  
Mr. Gregg Gurs, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95676

Enclosures



# GETTLER - RYAN INC.

FEB 07 2002

January 7, 2002  
G-R Job #386493

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

**RE: Fourth Quarter Event of November 26, 2001**  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, 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,

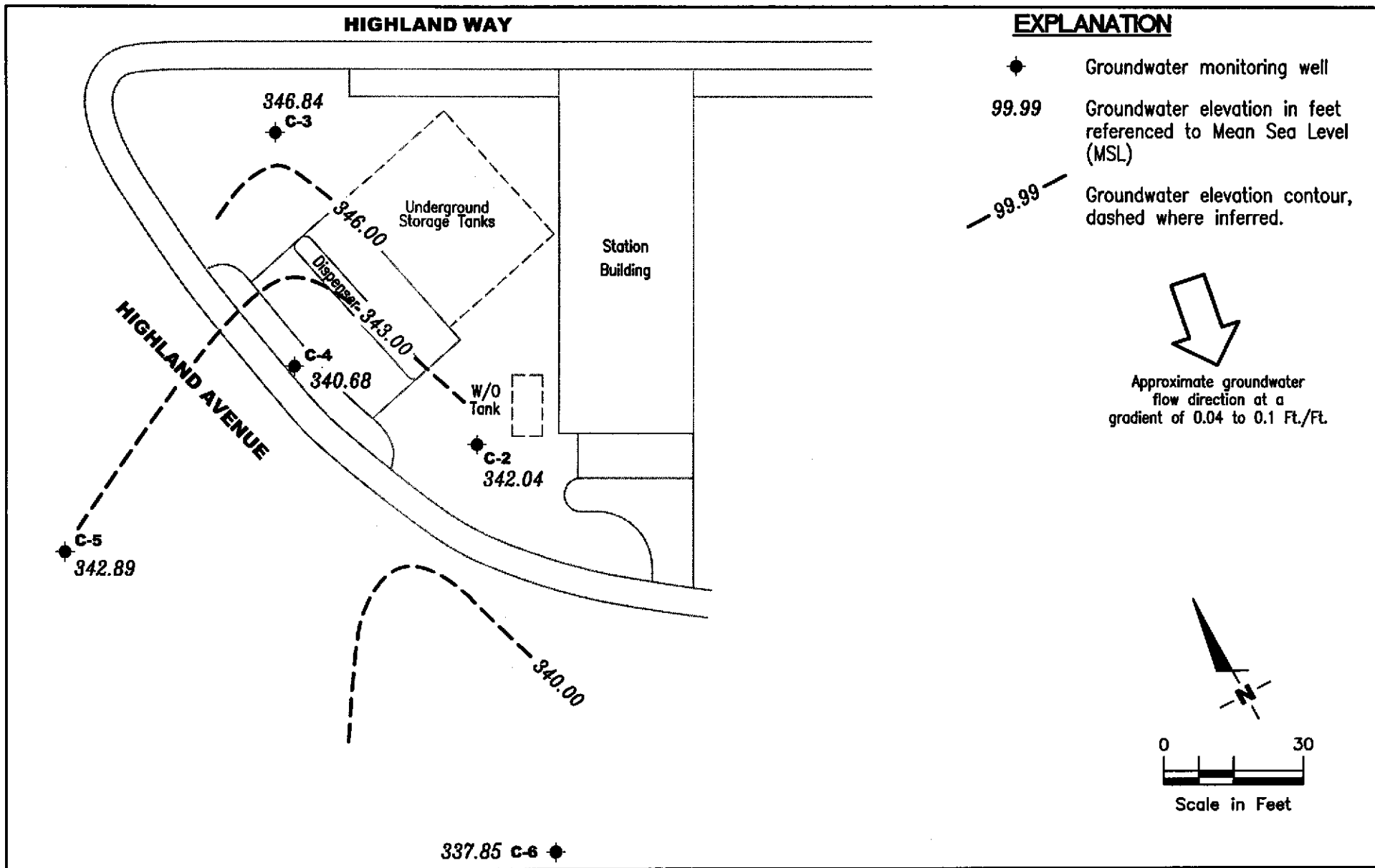
FOR

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**  
 Former Chevron Service Station #9-0329  
 340 Highland Avenue  
 Piedmont, California

FIGURE  
**1**

JOB NUMBER  
 386493

REVIEWED BY

DATE  
 November 26, 2001

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (mst)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 94.19	08/07/89	2.88	91.31	34,000	580	60	170	270	--
	11/15/89	2.80	91.39	8,100	500	36	420	180	--
	02/01/91	3.75	90.44	6,800	490	21	310	86	--
	04/16/91	2.55	91.64	9,600	810	43	550	270	--
	10/16/91	3.52	90.67	7,100	320	23	200	60	--
	01/08/92	4.15	90.04	2,400	190	9.0	83	22	--
	04/10/92	2.96	91.23	6,600	550	33	340	170	--
	07/14/92	2.83	91.36	9,000	680	330	580	690	--
	10/05/92	4.38	89.81	5,500	250	17	130	82	--
	01/06/93	3.94	90.25	5,500	190	32	41	54	--
	03/29/93	2.09	92.10	19,000	670	40	180	370	--
	07/02/93	2.09	92.10	8,000	1,100	41	420	500	--
	10/11/93	2.76	91.43	42,000	940	34	140	87	--
	01/10/94	4.82	89.37	12,000	770	20	220	74	--
	04/06/94	2.49	91.70	40,000	820	33	190	110	--
	07/06/94	2.47	91.72	8,800	870	28	140	95	--
	11/11/94	2.87	91.32	8,600	460	81	180	120	--
	01/06/95	2.55	91.64	15,000	880	48	270	140	--
	04/13/95	2.06	92.13	56,000	2,500	130	730	360	--
	07/25/95	2.14	92.05	11,000	1,000	34	540	160	--
	10/05/95	2.51	91.68	13,000	1,000	<20	160	170	--
	01/02/96	2.22	91.97	9,500	1,300	<50	380	87	64,000
	04/11/96	1.92	92.27	<10,000	1,300	<100	<100	<100	74,000
07/08/96	2.05	92.14	<20,000	1,200	<200	<200	<200	110,000	
10/03/96	2.29	91.90	<25,000	1,200	<250	<250	<250	140,000	
343.39	01/23/97	1.90	341.49	20,000	1,100	<200	460	<200	110,000
	02/14/97	1.97	341.42	--	--	--	--	--	150,000 <sup>1</sup>
	04/08/97	2.27	341.12	<50,000	1,100	<500	<500	<500	160,000
	07/09/97	1.98	341.41	<50,000	1,300	<500	<500	<500	210,000
	10/08/97	2.30	341.09	18,000	1,400	<50	300	95	160,000
	01/22/98	1.68	341.71	10,000	860	10	140	37	70,000

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2	04/15/98	1.20	342.19	<10,000	1,400	<100	510	<100	46,000
(cont)	07/09/98	1.47	341.92	33,000	1,700	<50	650	<50	120,000
	10/02/98	2.13	341.26	11,000	920	11	130	76	100,000
	01/18/99	1.84	341.55	<25,000	1,770	<250	<250	<250	48,400/78,300 <sup>1</sup>
	04/19/99	1.17	342.22	9,900	1,110	26.6	455	82	33,300
	09/28/99	2.81	340.58	11,500	1,100	<50	93.9	53.1	26,200
	10/27/99	2.98	340.41	9,440	711	<20	74.9	42.4	17,500
	01/17/00	2.35	341.04	12,200	813	<50	133	<50	21,200
	04/11/00	1.31	342.08	210 <sup>4</sup>	26	<0.50	3.7	1.1	580
	07/12/00	1.79	341.60	18,100 <sup>5</sup>	1,350	480	800	1,240	19,200
	10/07/00	1.70	341.69	8,860 <sup>5</sup>	1,070	<20.0	406	90.5	20,000
	01/05/01	1.57	341.82	14,000 <sup>4</sup>	2,000	55	560	120	17,000
	04/05/01	1.37	342.02	4,900 <sup>4</sup>	330	38	120	32	1,200
	08/20/01	2.52	340.87	7,300	1,100	42	290	55	7,200
	11/26/01	1.35	342.04	9,500	650	13	66	44	3,100
C-3									
97.65	08/07/89	4.29	93.36	<50	<0.5	<1.0	<1.0	<3.0	--
	11/15/89	5.17	92.48	<500	<0.5	2.8	<0.5	1.1	--
	02/01/91	6.38	91.27	<50	<0.5	<0.5	<0.5	<0.5	--
	04/16/91	3.72	93.93	<50	<0.5	<0.5	<0.5	<0.5	--
	10/16/91	8.20	89.45	<50	<0.5	<0.5	<0.5	<0.5	--
	01/08/92	6.68	90.97	<50	<0.5	<0.5	<0.5	<0.5	--
	04/10/92	4.50	93.15	<50	<0.5	<0.5	<0.5	<0.5	--
	07/14/92	6.21	91.44	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/92	9.31	88.34	<50	<0.5	<0.5	<0.5	<0.5	--
	01/06/93	3.41	94.24	<50	<0.5	<0.5	<0.5	<0.5	--
	03/29/93	0.50	97.15	<50	<0.5	<0.5	<0.5	0.8	--
	07/02/93	2.59	95.06	<50	4.0	3.0	<0.5	3.0	--
	10/11/93	4.90	92.75	<50	<0.5	<0.5	<0.5	<0.5	--
	01/10/94	4.39	93.26	<50	<0.5	1.0	<0.5	0.8	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3	04/06/94	2.68	94.97	<50	<0.5	1.0	0.7	4.5	--
(cont)	07/06/94	2.10	95.55	<50	2.2	4.1	<0.5	2.8	--
	11/11/94	1.23	96.42	<50	<0.5	0.8	<0.5	<0.5	--
	01/06/95	0.60	97.05	<50	<0.5	<0.5	<0.5	<0.5	--
	04/13/95	0.60	97.05	<50	<0.5	<0.5	<0.5	<0.5	--
	07/25/95	1.65	96.00	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/95	3.63	94.02	<50	<0.5	<0.5	<0.5	<0.5	--
	01/02/96	3.12	94.53	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/96	0.82	96.83	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/08/96	1.50	96.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	2.48	95.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5
347.08	01/23/97	0.21	346.87	<50	<0.5	<0.5	<0.5	<0.5	3.2
	04/08/97	0.75	346.33	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	1.47	345.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	2.04	345.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	40
	04/15/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
347.20	05/13/98 <sup>2</sup>	--	--	--	--	--	--	--	--
	07/09/98	0.47	346.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	0.98	346.22	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	01/18/99	0.77	346.43	<50	<0.5	<0.5	<0.5	<1.5	<2.0
	04/19/99	0.53	346.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	0.81	346.39	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	1.47	345.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	0.94	346.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	0.30	346.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	0.42	346.78	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	1.01	346.19	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	1.38	345.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	0.35	346.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	08/20/01	0.80	346.40	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/26/01	0.36	346.84	<50	<0.50	<0.50	<0.50	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4									
95.60	08/07/89	DRY	--	--	--	--	--	--	--
	11/15/89		4.95	90.65	1300	2.9	310	0.5	2.9
	02/01/91		4.78	90.82	72	<0.5	9.0	<0.5	<0.5
	04/16/91		4.83	90.77	<50	<0.5	<0.5	<0.5	<0.5
	10/16/91		4.23	91.37	<50	<0.5	<0.5	<0.5	<0.5
	01/08/92		4.81	90.79	<50	<0.5	<0.5	<0.5	<0.5
	04/10/92		4.26	91.34	<50	<0.5	<0.5	<0.5	<0.5
	07/14/92		4.28	91.32	<50	<0.5	3.8	<0.5	<0.5
	10/05/92		4.29	91.31	<50	<0.5	<0.5	<0.5	<0.5
	01/06/93		4.29	91.31	<50	0.7	<0.5	<0.5	<0.5
	03/29/93		4.30	91.30	<50	0.5	1.0	<0.5	2.0
	07/02/93		4.22	91.38	<50	<0.5	<0.5	<0.5	<0.5
	10/11/93		4.30	91.30	<50	0.6	<0.5	<0.5	<0.5
	01/10/94		4.44	91.16	<50	0.7	3.0	<0.5	1.0
	04/06/94		4.24	91.36	130	2.2	5.4	3.3	24
	07/06/94		4.24	91.36	99	5.9	7.5	2.0	12
	11/11/94		4.21	91.39	<50	<0.5	9.5	<0.5	<0.5
	01/06/95		4.42	91.18	<50	0.7	1.0	<0.5	1.1
	04/13/95		4.24	91.36	67	0.54	7.2	<0.5	1.1
	07/25/95		4.24	91.36	390	<2.0	150	<2.0	<2.0
	10/05/95		4.38	91.22	130	<0.5	66	<0.5	<0.5
	01/02/96		4.26	91.34	<50	<0.5	<0.5	<0.5	<0.5
	04/11/96		4.39	91.21	<50	<0.5	0.93	<0.5	<0.5
	07/08/96		4.28	91.32	<50	<0.5	<0.5	<0.5	<0.5
	10/03/96		4.22	91.38	80	<0.5	31	<0.5	<0.5
344.94	01/23/97		4.39	340.55	<50	<0.5	<0.5	<0.5	<0.5
	04/08/97		4.25	340.69	87	<0.5	3.6	<0.5	1.7
	07/09/97		4.21	340.73	93	<0.5	32	<0.5	<0.5
	10/08/97		4.34	340.60	<50	<0.5	0.63	<0.5	<0.5
	01/22/98		4.26	340.68	<50	<0.5	4.3	<0.5	<0.5
	04/15/98		1.01	343.93	SAMPLED SEMI-ANNUALLY	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)	07/09/98	4.25	340.69	<50	<0.5	<0.5	<0.5	<0.5	37
	10/02/98	4.35	340.59	--	--	--	--	--	--
	01/18/99	4.21	340.73	<50	<0.5	<0.5	<0.5	<0.5	25.4
	04/19/99	2.31	342.63	--	--	--	--	--	--
	07/19/99 <sup>3</sup>	1.53	343.41	10,000	1,160	23	178	50.4	45,600
	09/28/99	4.70	340.24	<50	<0.5	0.919	<0.5	<0.5	<2.5
	10/27/99	1.26	343.68	--	--	--	--	--	--
	01/17/00	4.22	340.72	<50	<0.5	21.4	<0.5	<0.5	4.6
	04/11/00	4.21	340.73	--	--	--	--	--	--
	07/12/00	4.21	340.73	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	4.23	340.71	--	--	--	--	--	--
	01/05/01	4.22	340.72	<50	<0.50	<0.50	<0.50	<0.50	27
	04/05/01	4.23	340.71	--	--	--	--	--	--
	08/20/01	4.27	340.67	<50	<0.50	<0.50	<0.50	<0.50	18
	11/26/01	4.26	340.68	SAMPLED SEMI-ANNUALLY			--	--	--
C-5 345.14	11/25/96	3.30	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/23/97	1.45	343.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	2.32	342.82	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	2.30	342.84	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	3.00	342.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	1.00	344.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/15/98	3.25	341.89	SAMPLED ANNUALLY			--	--	--
	07/09/98	0.20	344.94	--	--	--	--	--	--
	10/02/98	2.32	342.82	--	--	--	--	--	--
	01/18/99	2.13	343.01	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	2.07	343.07	--	--	--	--	--	--
	07/19/99	2.42	342.72	--	--	--	--	--	--
	10/27/99	2.37	342.77	--	--	--	--	--	--
	01/17/00	2.50	342.64	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	2.18	342.96	--	--	--	--	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-5	07/12/00	2.08	343.06	--	--	--	--	--	--
(cont)	10/07/00	2.38	342.76	--	--	--	--	--	--
	01/05/01	2.13	343.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	1.80	343.34	--	--	--	--	--	--
	08/20/01	2.08	343.06	--	--	--	--	--	--
	11/26/01	2.25	342.89	SAMPLED ANNUALLY		--	--	--	--
C-6	11/25/96	2.13	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
338.61	01/23/97	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	2.77	335.84	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	1.44	337.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	1.54	337.07	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/15/98	1.30	337.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/98	FLOODED	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	2.80	335.81	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	01/18/99	1.29	337.32	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	1.31	337.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	1.56	337.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	1.45	337.16	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	1.65	336.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	1.56	337.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	1.01	337.60	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	1.19	337.42	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	0.87	337.74	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	0.32	338.29	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	08/20/01	-- <sup>6</sup>	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	11/26/01	0.76	337.85	<50	<0.50	<0.50	<0.50	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>Backfill Well: A</b>									
	08/07/89	2.10	--	1,000	50	6.0	5.0	22	--
	11/15/89	2.04	--	3,700	98	2.1	4.3	55	--
	02/01/91	3.05	--	36,000	1,100	750	130	6,100	--
	04/16/91	2.01	--	8,000	370	6.0	86	750	--
	10/16/91	4.15	--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED								
<b>Backfill Well: B</b>									
	08/07/89	4.12	--	--	--	--	--	--	--
	11/15/89	--	--	--	--	--	--	--	--
	02/01/91	5.03	--	--	--	--	--	--	--
	04/16/91	4.00	--	--	--	--	--	--	--
	10/16/91	6.24	--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED								
<b>Trip Blank</b>									
TB-LB	01/06/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	03/29/93	--	--	<50	<0.5	<0.5	<0.5	1.0	--
	07/02/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/11/93	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/10/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/06/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/06/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/11/94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/06/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	04/13/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	07/25/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/05/95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/02/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TB-LB	04/11/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
(cont)	07/08/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/03/96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	01/23/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/08/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/08/97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/22/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	07/09/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	10/02/98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/18/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	04/19/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	07/19/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	10/27/99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	01/17/00	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	04/11/00	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	07/12/00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	10/07/00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
	01/05/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	04/05/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	08/20/01	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	11/26/01	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0329  
340 Highland Avenue  
Piedmont, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to April 11, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing  
(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation  
(msl) = Mean sea level

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

QA = Quality Assurance

\* TOC elevations are relative to msl.

<sup>1</sup> MTBE confirmation run.

<sup>2</sup> TOC elevation adjusted due to broken top of casing.

<sup>3</sup> Anomalous results: Results for this sample are likely the result of a mislabeling of sample containers; results most closely resemble those of well C-2.

<sup>4</sup> Laboratory report indicates gasoline C6-C12.

<sup>5</sup> Laboratory report indicates weathered gasoline C6-C12.

<sup>6</sup> Unable to determine DTW due to flooding

## 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/ **CHEVRON**  
 Facility # 9-0329  
 Address: 340 Highland Ave.  
 City: Piedmont, SA

Job#: 386493  
 Date: 11-26-01  
 Sampler: T.C

Well ID: C-2  
 Well Diameter: 2 in.  
 Total Depth: 11.94 ft.  
 Depth to Water: 1.35 ft.

Well Condition: ok

Hydrocarbon Thickness: Ø (feet) Amount Bailed (Gallons)  
 Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 6" = 1.50 12" = 5.80

10.59 x VF .17 = 1.8 x 3 (case volume) = Estimated Purge Volume: 5 1/2 (gal.)

Purge Equipment:

- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: \_\_\_\_\_

Sampling Equipment:

- Disposable Bailer
- Bailer
- Pressure Bailer
- Grab Sample
- Other: \_\_\_\_\_

Starting Time: 1125  
 Sampling Time: 1136  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? no

Weather Conditions: Partly Cloudy  
 Water Color: Grassy Sh Other: \_\_\_\_\_  
 Sediment Description: Silt/clay  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1127</u>	<u>1.5</u>	<u>7.52</u>	<u>1026</u>	<u>68.4</u>			
<u>1129</u>	<u>3.0</u>	<u>7.31</u>	<u>982</u>	<u>67.9</u>			
<u>1131</u>	<u>5.5</u>	<u>7.33</u>	<u>979</u>	<u>67.4</u>			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2</u>	<u>3x 2000 ml</u>	<u>Y</u>	<u>Hot</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON  
 Facility # 9-0329  
 Address: 340 Highland Ave.  
 City: Piedmont, CA

Job#: 386493  
 Date: 11-26-01  
 Sampler: T.C

Well ID C-3  
 Well Diameter 2 in.  
 Total Depth 13.03 ft.  
 Depth to Water .36 ft.

Well Condition: O.k

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

12.67 x VF .17 = 2.1 x 3 (case volume) = Estimated Purge Volume: 6 1/2 (gal.)

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

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

Starting Time: 1152  
 Sampling Time: 1200  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? NO

Weather Conditions: Partly Cloudy  
 Water Color: clear Odor: NO  
 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>1155</u>	<u>2.0</u>	<u>7.02</u>	<u>1326</u>	<u>69.9</u>			
<u>1157</u>	<u>4.0</u>	<u>6.98</u>	<u>1222</u>	<u>69.6</u>			
<u>1201</u>	<u>6.5</u>	<u>6.91</u>	<u>1238</u>	<u>69.4</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-3</u>	<u>30VODANAL</u>	<u>Y</u>	<u>Heu</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 9-0329

Job#: 386493

Address: 340 Highland Ave.

Date: 11-26-01

City: Piedmont, CA

Sampler: T.C

Well ID C-4

Well Condition: O.k

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 9.71 ft.

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

Depth to Water 4.26 ft.

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

Purge Equipment: Disposable Bailer \_\_\_\_\_  
Bailer \_\_\_\_\_  
Stack \_\_\_\_\_  
Suction N/A  
Grundfos \_\_\_\_\_  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer \_\_\_\_\_  
Bailer \_\_\_\_\_  
Pressure Bailer N/A  
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 $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
		Y		LANCASTER	TPH(G)/btex/mtbe

COMMENTS: MONITORED ONLY



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/CHEVRON

Facility # 9-0329

Job#: 386493

Address: 340 Highland Ave.

Date: 11-26-01

City: Piedmont, CA

Sampler: T.C

Well ID C-5

Well Condition: O.K

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 16.98 ft.

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

Depth to Water 2.25 ft.

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

Purge Equipment:

Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_  
N/A

Sampling Equipment:

Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_  
N/A

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
		Y		LANCASTER	TPHIG/btex/mtbe

COMMENTS: MONITORED ONLY, REPLACED 2" PLUG AND MASTER LOCK 3910

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ CHEVRON

Facility # 9-0329

Job#: 386493

Address: 340 Highland Ave.

Date: 11-26-01

City: Piedmont, CA

Sampler: T.C

Well ID C-6

Well Condition: o.k

Well Diameter 2 in.

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

Total Depth 17.03 ft.

Depth to Water 16.03 ft.

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

16.03 X VF .17 = 2.7 X 3 (case volume) = Estimated Purge Volume: 8.0 (gal.)

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

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

Starting Time: 1225

Weather Conditions: pty. cloudy

Sampling Time: 1240

Water Color: clear Odor: no

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

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

Did well de-water? no

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>1228</u>	<u>2.5</u>	<u>7.04</u>	<u>1562</u>	<u>68.9</u>			
<u>1231</u>	<u>5.0</u>	<u>6.88</u>	<u>1515</u>	<u>69.4</u>			
<u>1235</u>	<u>8.0</u>	<u>6.86</u>	<u>1496</u>	<u>69.0</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-6</u>	<u>3x0000: M</u>	<u>Y</u>	<u>no</u>	<u>LANCASTER</u>	<u>TPH(G)/bTEX/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: Replaced MASA lock 3910

# Chevron California Region Analysis Request/Chain of Custody



LLCA

For Lancaster Laboratories use only  
 Acct. #: 10905 Sample #: 3734116-19 SCR#: \_\_\_\_\_

Facility #: 9-0329 Job #386493 Global ID #T0600101885  
 Site Address: 340 HIGHLAND AVE., PIEDMONT, CA  
 Chevron PM: Tom Bauhs Lead Consultant: Delta/G-R  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: Tony Camarero  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

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

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

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	
<u>Q/A</u>	<u>11/26/01</u>	<u>/</u>				X			<u>2</u>	X	X								
<u>C-2</u>		<u>1136</u>	X			X			<u>3</u>	X	X								
<u>C-3</u>		<u>1206</u>	X			X			<u>3</u>	X	X								
<u>C-6</u>		<u>1240</u>	X			X			<u>3</u>	X	X								

**Comments / Remarks**

**Turnaround Time Requested (TAT) (please circle)**

STD. TAT      72 hour      48 hour  
 24 hour      4 day      5 day

**Data Package Options (please circle if required)**

QC Summary      Type I — Full  
 Type VI (Raw Data)       Coalt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>Jay U. Conner</u>	Date: <u>11/27/01</u>	Time: <u>0934</u>	Received by: <u>Deanna Harding</u>	Date: <u>11/27/01</u>	Time: <u>1400</u>	
Relinquished by: <u>Deanna Harding</u>	Date: <u>11/27/01</u>	Time: <u>1400</u>	Received by: <u>[Signature]</u>	Date: <u>11/27/01</u>	Time: <u>1400</u>	
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____	
Relinquished by Commercial Carrier: _____	UPS	FedEx	<u>Other</u>	Received by: <u>Deanna Harding</u>	Date: <u>11/28/01</u>	Time: <u>0900</u>
Temperature Upon Receipt: _____ °C	Custody Seals Intact? <u>Yes</u> No					



## ANALYTICAL RESULTS

Prepared for:

Chevron Products Company  
6001 Bollinger Canyon Road  
Building L PO Box 6004  
San Ramon CA 94583-0904  
925-842-8582

Prepared by:

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

RECEIVED

GETTLER-RYAN, INC.  
2425 NEW HOLLAND PIKE  
LANCASTER, PA 17605-2425

## SAMPLE GROUP

The sample group for this submittal is 787914. Samples arrived at the laboratory on Wednesday, November 28, 2001. The PO# for this group is 99011184 and the release number is BAUHS.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-011126	NA Water	3734116
C-2-W-011126	Grab Water	3734117
C-3-W-011126	Grab Water	3734118
C-6-W-011126	Grab Water	3734119

## METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding





## Lancaster Laboratories

*Where quality is a science.*

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

Respectfully Submitted,

*Steven A. Skiles*  
**Steven A. Skiles**  
**Sr. Chemist**



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



Lancaster Laboratories Sample No. WW 3734116

Collected: 11/26/2001 00:00

Account Number: 10905

Submitted: 11/28/2001 09:00  
 Reported: 12/06/2001 at 07:51  
 Discard: 01/06/2002  
 QA-T-011126

Chevron Products Company  
 6001 Bollinger Canyon Road  
 Building L PO Box 6004  
 San Ramon CA 94583-0904

NA Water

Facility# 90329 Job# 386493  
 340 Highland Ave-Piedmont T0600101885 QA

GRD

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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CALIF. LUFT Gasoline Method	1	11/30/2001 04:05	Linda C. Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/30/2001 04:05	Linda C. Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/30/2001 04:05	Linda C. Pape	n.a.

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



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



Lancaster Laboratories Sample No. WW 3734117

Collected: 11/26/2001 11:36 by TC

Account Number: 10905

Submitted: 11/28/2001 09:00

Chevron Products Company

Reported: 12/06/2001 at 07:51

6001 Bollinger Canyon Road

Discard: 01/06/2002

Building L PO Box 6004

C-2-W-011126

Grab Water

San Ramon CA 94583-0904

Facility# 90329 Job# 386493 GRD  
340 Highland Ave-Piedmont T0600101885 C-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	9,500.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	650.	1.0	ug/l	5
00777	Toluene	108-88-3	13.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	66.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	44.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	3,100.	6.0	ug/l	20
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CALIF. LUFT Gasoline Method	1	12/02/2001 23:37	Anastasia C. Papadopoulos	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/01/2001 00:00	Matthew E. Barton	20
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/02/2001 23:37	Anastasia C. Papadopoulos	5
01146	GC VOA Water Prep	SW-846 5030B	1	12/01/2001 00:00	Anastasia C. Papadopoulos	n.a.

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



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



Lancaster Laboratories Sample No. WW 3734117

Collected: 11/26/2001 11:36 by TC

Account Number: 10905

Submitted: 11/28/2001 09:00

Reported: 12/06/2001 at 07:51

Discard: 01/06/2002

C-2-W-011126

Grab Water

Chevron Products Company  
6001 Bollinger Canyon Road  
Building L PO Box 6004  
San Ramon CA 94583-0904

Facility# 90329 Job# 386493  
340 Highland Ave-Piedmont T0600101885 C-2

GRD

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



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





Lancaster Laboratories Sample No. **WW 3734118**

Collected: 11/26/2001 12:06 by TC Account Number: 10905

Submitted: 11/28/2001 09:00  
 Reported: 12/06/2001 at 07:52  
 Discard: 01/06/2002  
 C-3-W-011126 Grab Water

Chevron Products Company  
 6001 Bollinger Canyon Road  
 Building L PO Box 6004  
 San Ramon CA 94583-0904

Facility# 90329 Job# 386493 GRD  
 340 Highland Ave-Piedmont T0600101885 C-3

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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CALIF. LUFT Gasoline Method	1	11/30/2001 17:36	Matthew E. Barton	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/30/2001 17:36	Matthew E. Barton	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/30/2001 17:36	Matthew E. Barton	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

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



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



Lancaster Laboratories Sample No. **WW 3734119**

Collected: 11/26/2001 12:40 by TC

Account Number: 10905

Submitted: 11/28/2001 09:00  
 Reported: 12/06/2001 at 07:52  
 Discard: 01/06/2002  
 C-6-W-011126

Chevron Products Company  
 6001 Bollinger Canyon Road  
 Building L PO Box 6004  
 San Ramon CA 94583-0904

Grab Water

Facility# 90329 Job# 386493 GRD  
 340 Highland Ave-Piedmont T0600101885 C-6

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

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CALIF. LUFT Gasoline Method	1	11/30/2001 18:11	Matthew E. Barton	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/30/2001 18:11	Matthew E. Barton	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/30/2001 18:11	Matthew E. Barton	n.a.

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



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



Client Name: Chevron Products Company  
 Reported: 12/06/01 at 07:52 AM

Group Number: 787914

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 01333A55	Sample number(s): 3734116							
Benzene	N.D.	0.5	ug/l	104	104	80-118	0	30
Toluene	N.D.	0.5	ug/l	99	98	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	105	106	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	109	110	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	107	108	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	98	100	76-119	2	20
Batch number: 01335A66	Sample number(s): 3734117-3734119							
Benzene	N.D.	0.5	ug/l	96	95	80-118	2	30
Toluene	N.D.	0.5	ug/l	97	94	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	95	93	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	97	94	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	98	97	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	81	85	76-119	4	20

### Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 01333A55	Sample number(s): 3734116							
Benzene	125		66-140					
Toluene	118		72-138					
Ethylbenzene	126		71-138					
Total Xylenes	130		69-140					
Methyl tert-Butyl Ether	121		60-145					
TPH-GRO - Waters	101		74-132					
Batch number: 01335A66	Sample number(s): 3734117-3734119							
Benzene	101		66-140					
Toluene	100		72-138					
Ethylbenzene	99		71-138					
Total Xylenes	99		69-140					
Methyl tert-Butyl Ether	97		60-145					
TPH-GRO - Waters	101		74-132					

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
 Batch number: 01333A55

	Trifluorotoluene-F	Trifluorotoluene-P
3734116	93	104
Blank	95	106

\*- Outside of specification

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





## Lancaster Laboratories

Where quality is a science

### Quality Control Summary

Client Name: Chevron Products Company  
Reported: 12/06/01 at 07:52 AM

Group Number: 787914

### Surrogate Quality Control

LCS	107	106
LCSD	110	105
MS	106	105

---

Limits: 65-137 72-134

Analysis Name: TPH-GRO - Waters

Batch number: 01335A66

Trifluorotoluene-F

Trifluorotoluene-P

---

3734117	118	104
3734118	89	91
3734119	90	91
Blank	92	91
LCS	100	90
LCSD	103	91
MS	106	90

---

Limits: 65-137 72-134

\*- Outside of specification

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



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