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ENVIRONMENTAL  
PROTECTION  
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# GETTLER-RYAN Inc.

## TRANSMITTAL

May 30, 2000  
G-R #:386502

TO: Mr. Tom Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

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

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

RE: Chevron Service Station  
# 9-6607  
2340 Otis Drive  
Alameda, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 24, 2000	Groundwater Monitoring and Sampling Report Second Quarter 2000 - Event of April 3, 2000

### 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 **June 9, 2000**, at which time the final report will be distributed to the following:

- Mr. Thomas Peacock, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
- Mr. Wayne Weber, Chevron Station #9-6607, 2340 Otis Dr., Alameda, CA 94501
- Harsh Investment Corp., 523 West Plaza, South Shore Center, Alameda, CA 94501
- Mr. Bill Scudder, Chevron Products Co., P.O. Box 6004, San Ramon, CA 94583

Enclosures

trans/9-6607.tb



# GETTLER - RYAN INC.

May 24, 2000  
G-R Job #386502

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

**RE: Second Quarter 2000 - Event of April 3, 2000**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

Dear Mr. Bauhs:

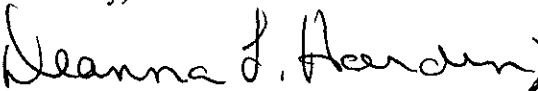
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedures - Groundwater Sampling (attached).

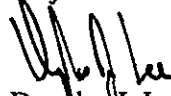
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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

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

Sincerely,

  
Deanna L. Harding  
Project Coordinator

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

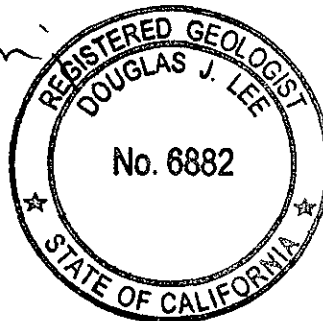
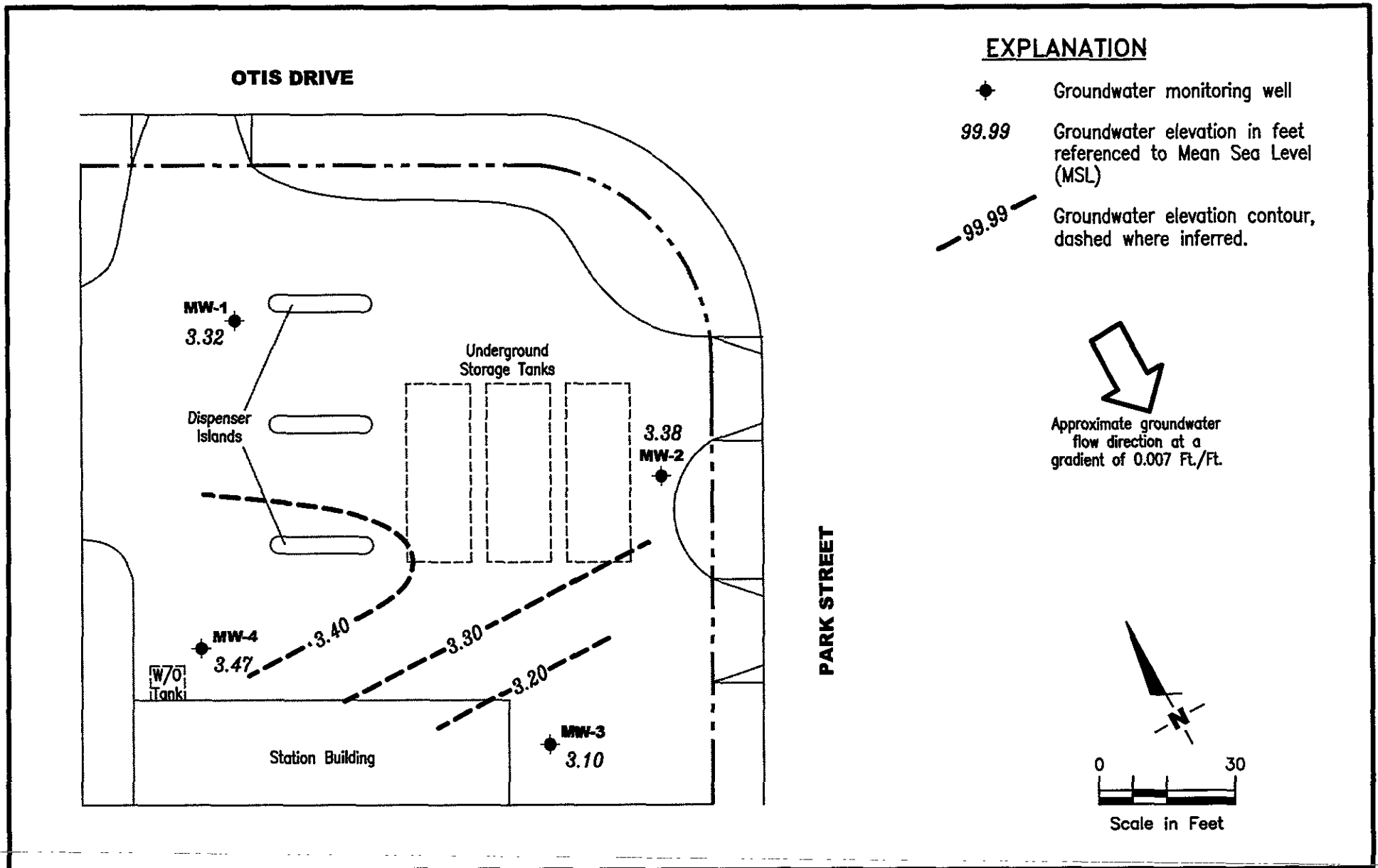


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



**Gettler - Ryan Inc.**

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

POTENTIOMETRIC MAP  
 Chevron Service Station No. 9-6607  
 2340 Otis Drive  
 Alameda, California

FIGURE  
**1**

JOB NUMBER  
 386502

REVIEWED BY

DATE  
 April 3, 2000

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

WELL ID	DATE	DTW	GWE	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
TOC*		(ft.)		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-1											
7.12	08/21/91	6.10	1.02	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/09/92	3.96	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	3.90	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/25/92	4.18	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	11/24/92	4.72	2.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/21/93	3.18	3.94	--	<50	<0.5	0.7	<0.5	1.0	--	--
	04/13/93	3.70	3.42	--	<50	<0.5	<0.5	<0.5	1.0	--	--
	07/14/93	4.21	2.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	4.28	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/94	4.16	2.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	03/31/94	3.88	3.24	--	<50	<0.5	0.6	<0.5	0.7	--	--
	07/14/94	3.00	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/12/94 <sup>1</sup>	4.25	2.87	--	80	<0.5	<0.5	<0.5	<0.5	121	--
	01/11/95	3.12	4.00	--	<50	<0.5	<0.5	<0.5	<0.5	130	--
	04/05/95 <sup>3</sup>	3.46	3.66	--	<50	<0.5	<0.5	<0.5	<0.5	170	--
	07/13/95	3.99	3.13	--	<125	<1.2	<1.2	<1.2	<1.2	400	--
	10/05/95	4.38	2.74	--	<50	<0.5	2.3	0.66	4.0	300	--
	10/03/96	4.44	2.68	--	<50	0.63	<0.5	<0.5	<0.5	560	--
	01/22/97	3.39	3.73	--	<200	<2.0	<2.0	<2.0	<2.0	530/880 <sup>5</sup>	--
6.92	04/09/97 <sup>6</sup>	3.70	3.22	--	<125	<1.2	<1.2	<1.2	<1.2	610	--
	07/09/97	3.87	3.05	--	240	47	<2.0	<2.0	<2.0	990	--
	10/16/97	3.97	2.95	--	250	<2.0	<2.0	<2.0	<2.0	1000	--
	01/08/98	3.45	3.47	--	<200	<2.0	<2.0	<2.0	<2.0	-- <sup>8</sup>	--
	04/24/98	3.61	3.31	--	170	20	<0.5	<0.5	<0.5	1700	--
	07/15/98	3.85	3.07	--	160	58	1.1	<0.5	0.59	1,500/1,600 <sup>5</sup>	--
	10/27/98	4.12	2.80	--	140	<0.5	<0.5	<0.5	<0.5	1200	--
	01/20/99	4.48	2.44	--	<250	<2.5	<2.5	<2.5	<2.5	1330	--
	04/19/99	2.71	4.21	--	150	73	<0.5	<0.5	<0.5	620	--
	07/29/99	3.97	2.95	--	142	<0.5	0.82	<0.5	2.08	824	--
	10/25/99	4.06	2.86	--	<200	<2.0	<2.0	<2.0	<2.0	972	--
	04/03/00	3.60	3.32	--	130 <sup>9</sup>	22	<0.50	<0.50	<0.50	550	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

WELL ID	DATE	DTW (ft.)	GWE	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2											
7.43	08/21/91	6.40	1.03	--	430	170	0.9	1.0	3.6	--	--
	01/09/92	4.23	3.20	--	58	16	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	4.17	3.26	--	180	9.6	<0.5	0.8	<0.5	--	--
	07/25/92	4.47	2.96	--	220	8.0	0.7	4.0	8.6	--	--
	11/24/92	5.82	1.61	--	72	3.2	<0.5	0.5	0.6	--	--
	01/21/93	3.35	4.08	--	<50	0.8	<0.5	<0.5	<0.5	--	--
	04/13/93	4.02	3.41	--	78	<0.5	<0.5	<0.5	0.6	--	--
	07/14/93	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	4.56	2.87	--	<50	<0.5	0.9	<0.5	0.6	--	--
	01/11/94	4.39	3.04	--	<50	<0.5	1.0	<0.5	<0.5	--	--
	03/31/94	4.18	3.25	--	<50	0.5	<0.5	<0.5	0.8	--	--
	07/14/94	4.90	2.53	--	<50	<0.5	<0.5	<0.5	0.6	--	--
	10/12/94 <sup>2</sup>	4.54	2.89	--	<50	<0.5	<0.5	<0.5	<0.5	2,900	--
	01/11/95	3.26	4.17	--	<50	<0.5	<0.5	<0.5	<0.5	2,500	--
	04/05/95 <sup>3</sup>	3.65	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
	07/13/95	4.31	3.12	--	<250	<2.5	<2.5	<2.5	<2.5	1,100	--
	10/05/95	4.68	2.75	--	<50	<0.5	1.9	0.54	3.4	280	--
	10/03/96	4.80	2.63	--	<500	<5.0	<5.0	<5.0	<5.0	1,000	--
	01/22/97	3.36	4.07	--	540 <sup>7</sup>	<5.0	<5.0	<5.0	<5.0	1,300/1,600 <sup>5</sup>	--
	04/09/97	4.25	3.18	--	<500	<5.0	<5.0	<5.0	<5.0	970	--
	07/09/97	4.48	2.95	--	<125	<1.2	<1.2	<1.2	<1.2	710	--
	10/16/97	4.44	2.99	--	<100	<1.0	<1.0	<1.0	<1.0	1,000	--
	01/08/98	3.79	3.64	--	68	<0.5	<0.5	<0.5	<0.5	-- <sup>8</sup>	--
	04/24/98	3.95	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	490	--
	07/15/98	4.30	3.13	--	51	1.2	1.2	<0.5	<0.5	480	--
	10/27/98	4.45	2.98	--	<50	<0.5	<0.5	<0.5	<0.5	180	--
	01/20/99	4.21	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	388	--
	04/19/99	4.38	3.05	--	620	13	35	11	78	510	--
	07/29/99	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	229	--
	10/25/99	4.55	2.88	--	<50	<0.5	<0.5	<0.5	<0.5	314	--
	04/03/00	4.05	3.38	--	<50	<0.50	<0.50	<0.50	<0.50	420	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

WELL ID TOC*	DATE	DTW (ft.)	GWE	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3											
8.07	08/21/91	7.10	0.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/09/92	5.03	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	4.91	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/25/92	5.34	2.73	--	<50	1.0	1.0	1.0	3.4	--	--
	11/24/92	5.00	3.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/21/93	4.34	3.73	--	<50	<0.5	0.5	<0.5	1.0	--	--
	04/13/93	4.84	3.23	--	<50	<0.5	<0.5	<0.5	0.6	--	--
	07/14/93	5.29	2.78	--	<50	<0.5	<0.5	<0.5	2.0	--	--
	10/26/93	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/94	5.22	2.85	--	<50	<0.5	1.0	<0.5	<0.5	--	--
	03/31/94	4.99	3.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/14/94	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/12/94	5.02	3.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/95	4.35	3.72	--	<50	<0.5	<0.5	<0.5	0.7	<5.0	--
	04/05/95 <sup>3</sup>	2.64	5.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	07/13/95	5.13	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/05/95	5.46	2.61	--	<50	<0.5	1.2	<0.5	<0.5	--	--
	10/03/96	5.53	2.54	--	<50	0.98	1.2	0.53	2.5	<2.5	--
	01/22/97	4.62	3.45	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
8.00	04/09/97 <sup>6</sup>	5.05	2.95	SAMPLED ANNUALLY		--	--	--	--	--	--
	07/09/97	5.14	2.86	--	--	--	--	--	--	--	--
	10/16/97	5.20	2.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	01/08/98	4.75	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	9.3	--
	04/24/98	4.73	3.27	--	--	--	--	--	--	--	--
	07/15/98	5.07	2.93	--	--	--	--	--	--	--	--
	10/27/98	5.24	2.76	--	--	--	--	--	--	--	--
	01/20/99	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	42.2	--
	04/19/99	4.26	3.74	--	--	--	--	--	--	--	--
	07/29/99	5.18	2.82	--	--	--	--	--	--	--	--
	10/25/99	5.27	2.73	--	--	--	--	--	--	--	--
	04/03/00	4.90	3.10	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

WELL ID	DATE	DTW (ft.)	GWE	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	F (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	
MW-4												
7.85	08/21/91	6.85	1.00	--	<50	0.6	<0.5	<0.5	<0.5	--	<5,000	
	01/09/92	4.70	3.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000	
	04/20/92	4.64	3.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000	
	07/25/92	4.95	2.90	78	<50	0.5	1.1	<0.5	0.8	--	--	
	11/24/92	5.42	2.43	--	<50	<0.5	<0.5	<0.5	1.0	--	<5,000	
	01/21/93	4.07	3.78	<10	<50	<0.5	0.5	<0.5	0.7	--	--	
	04/13/93	4.45	3.40	<10	<50	<0.5	<0.5	<0.5	1.0	--	--	
	07/14/93	4.90	2.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	10/26/93	4.95	2.90	--	<50	2.0	3.0	2.0	3.0	--	--	
	01/11/94	4.77	3.08	--	<50	<0.5	0.5	<0.5	<0.5	--	--	
	03/31/94	4.65	3.20	--	<50	<0.5	<0.5	<0.5	1.0	--	--	
	07/14/94	5.05	2.80	--	<50	0.9	1.2	<0.5	2.0	--	--	
	10/12/94	4.88	2.97	--	<50	<0.5	0.9	<0.5	0.7	--	--	
	01/11/95	4.00	3.85	--	<50	<0.5	0.8	0.7	1.5	<5.0	--	
	04/05/95 <sup>4</sup>	4.22	3.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<5,000	
	07/13/95	4.71	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	10/05/95	5.02	2.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	10/03/96	5.08	2.77	--	100	5.5	5.6	2.5	12	<2.5	--	
	01/22/97	4.28	3.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
	04/09/97	4.60	3.25	SAMPLED ANNUALLY			--	--	--	--	--	--
	07/09/97	4.79	3.06	--	--	--	--	--	--	--	--	
	10/16/97	4.81	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	--	
	01/08/98	4.37	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
	04/24/98	4.34	3.51	--	--	--	--	--	--	--	--	
	07/15/98	4.46	3.39	--	--	--	--	--	--	--	--	
	10/27/98	4.52	3.33	--	--	--	--	--	--	--	--	
	01/20/99	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	
	04/19/99	4.07	3.78	--	--	--	--	--	--	--	--	
	04/19/99	4.87	2.98	--	--	--	--	--	--	--	--	
	10/25/99	4.90	2.95	--	--	--	--	--	--	--	--	
	04/03/00	4.38	3.47	--	--	--	--	--	--	--	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

WELL ID	DATE	DTW	GWE	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
TOC*		(ft)		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Trip Blank											
TB-LB	01/21/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/13/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/14/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	03/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/14/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/12/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	04/05/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/13/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/05/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/09/97	--	--	--	<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	--
	10/16/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	01/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/24/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	07/15/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	10/27/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	01/20/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
	04/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	07/29/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	10/25/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	04/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station No. 9-6607  
2340 Otis Drive  
Alameda, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to April 3, 2000, were compiled from reports prepared by Blaine Tech Services.

TOC = Top of Casing elevation	B = Benzene	ppb = Parts per billion
DTW = Depth to Water	T = Toluene	ND = Not Detected
(ft.) = Feet	E = Ethylbenzene	-- = Not Measured/Not Analyzed
GWE = Groundwater Elevation	X = Xylenes	
(msl) = Relative to mean seal level	MTBE = Methyl tertiary butyl ether	
SPHT = Separate Phase Hydrocarbon Thickness	TOG = Total Oil and Grease	
TPH(G) = Total Petroleum Hydrocarbons as Gasoline		

\* TOC elevations are relative to msl.

- 1 Laboratory report indicates Volatile Organic Compounds (VOCs) were <5.0-<50 ppb.
- 2 Laboratory report indicates VOCs were <50-<500 ppb.
- 3 Laboratory report indicates Polynuclear Aromatics (PNAs) were <5.0 ppb.
- 4 Laboratory report indicates VOCs were <5.0 ppb.
- 5 Confirmation of MTBE.
- 6 Wellhead elevation altered due to maintenance.
- 7 Chromatogram pattern indicates an unidentified hydrocarbon.
- 8 No value for MTBE could be determined; see laboratory report.
- 9 Laboratory report indicates gasoline 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 SS # 9-6607  
 Address: 2340 OTIS DR.  
 City: ALAMEDA, CA

Job#: 386502  
 Date: 4/3/00  
 Sampler: HAIG KEVORK

Well ID MW-1  
 Well Diameter 4" in.  
 Total Depth 22.78 ft.  
 Depth to Water 3.60 ft.

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

19.18 x VF 0.66 = 12.6 x 3 (case volume) = Estimated Purge Volume: 37.8 (gal.)

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

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

Starting Time: 13:30  
 Sampling Time: 14:25  
 Purging Flow Rate: 1-1/4 gpm.  
 Did well de-water? NO

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

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F / $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>13:41</u>	<u>12</u>	<u>7.48</u>	<u>836</u>	<u>18.4</u>			
	<u>24</u>	<u>7.39</u>	<u>812</u>	<u>18.1</u>			
<u>14:08</u>	<u>36</u>	<u>7.34</u>	<u>798</u>	<u>17.6</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>2 VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTBE</u>

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

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility CHEVRON SS # 9-6607 Job#: 386502  
 Address: 2340 OTIS DR. Date: 4/3/00  
 City: ALAMEDA, CA Sampler: HAIG KEVORK

Well ID MW-2 Well Condition: OK  
 Well Diameter 4" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)  
 Total Depth 23.35 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 4.05 ft. Factor (VF) 6" = 1.50 12" = 5.80

19.30 x VF 0.66 = 12.7 x 3 (case volume) = Estimated Purge Volume: 38.1 (gal.)

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

Starting Time: 12:20 Weather Conditions: SUNNY  
 Sampling Time: 13:15 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 1-1/4 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F / $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:30</u>	<u>12</u>	<u>7.79</u>	<u>590</u>	<u>18.0</u>	_____	_____	_____
<u>13:00</u>	<u>24</u>	<u>7.70</u>	<u>572</u>	<u>17.5</u>	_____	_____	_____
<u>13:00</u>	<u>36</u>	<u>7.63</u>	<u>556</u>	<u>17.2</u>	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH6/BTEX/MTBE</u>

COMMENTS: WELL COVER IS LOOSE (BROKEN SCREWS)

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility CHEVRON SS # 9-6607  
 Address: 2340 OTIS DR.  
 City: ALAMEDA, CA

Job#: 386502  
 Date: 4/3/2000  
 Sampler: HAIG KEVORK

Well ID MW-3 Well Condition: OK

Well Diameter 4" in.  
 Total Depth 23.38 ft.  
 Depth to Water 4.90 ft.

Hydrocarbon Thickness:	<u>Ø</u> (feet)	Amount Bailed (product/water):	<u>Ø</u> (Gallons)
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: N/A  
 Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

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

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

Weather Conditions: SUNNY  
 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
<u>MW-</u>	<u>VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTBE</u>

COMMENTS: MONITORED ONLY  
WELL COVER IS LOOSE (BROKEN SCREWS)

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility CHEVRON  
SS # 9-6607  
 Address: 2340 OTIS DR.  
 City: ALAMEDA, CA

Job#: 386502  
 Date: 4/3/00  
 Sampler: HAIG KEVORAK

Well ID MW-4  
 Well Diameter 4" in.  
 Total Depth 20.19 ft.  
 Depth to Water 4.38 ft.

Well Condition: \_\_\_\_\_

Hydrocarbon Thickness:	Amount Bailed (Gallons)		
	(feet)	(product/water):	
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: M/A  
 Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: M/A  
 Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

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

Weather Conditions: SUNNY  
 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
<u>MW-</u>	<u>VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH/G/BTEX/MTBE</u>

COMMENTS: MONITORED ONLY  
WELL COVER IS LOOSE (BROKEN SCREWS)






20 April, 2000

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

RE: Chevron  
Sequoia Report: W004031

Enclosed are the results of analyses for samples received by the laboratory on 03-Apr-00 17:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
Alan B. Kemp  
Laboratory Director

CA ELAP Certificate #1271







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

Project: Chevron  
Project Number: Chevron # 9-6607  
Project Manager: Deanna L. Harding

**Reported:**  
20-Apr-00 07:31

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W004031-01	Water	03-Apr-00 00:00	03-Apr-00 17:55
MW-1	W004031-02	Water	03-Apr-00 00:00	03-Apr-00 17:55
MW-2	W004031-03	Water	03-Apr-00 00:00	03-Apr-00 17:55

  
Alan B. Kemp, Laboratory Director





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

Project: Chevron  
Project Number: Chevron # 9-6607  
Project Manager: Deanna L. Harding

**Reported:**  
20-Apr-00 07:31

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (W004031-01) Water</b> Sampled: 03-Apr-00 00:00 Received: 03-Apr-00 17:55									
Purgeable Hydrocarbons	ND	50	ug/l	1	0D12001	12-Apr-00	12-Apr-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130		"	"	"	"	
<b>MW-1 (W004031-02) Water</b> Sampled: 03-Apr-00 00:00 Received: 03-Apr-00 17:55 <span style="float: right;">P-01</span>									
Purgeable Hydrocarbons	130	50	ug/l	1	0D12001	12-Apr-00	12-Apr-00	EPA 8015M/8020	
Benzene	22	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	550	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.0 %	70-130		"	"	"	"	
<b>MW-2 (W004031-03) Water</b> Sampled: 03-Apr-00 00:00 Received: 03-Apr-00 17:55									
Purgeable Hydrocarbons	ND	50	ug/l	1	0D12001	12-Apr-00	12-Apr-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	420	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		71.3 %	70-130		"	"	"	"	





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

Project: Chevron  
Project Number: Chevron # 9-6607  
Project Manager: Deanna L. Harding

Reported:  
20-Apr-00 07:31

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0D12001 - EPA 5030B [P/T]</b>										
<b>Blank (0D12001-BLK1)</b> Prepared & Analyzed: 12-Apr-00										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.5		"	30.0		102	70-130			
<b>LCS (0D12001-BS1)</b> Prepared & Analyzed: 12-Apr-00										
Benzene	16.3	0.50	ug/l	20.0		81.5	70-130			
Toluene	17.0	0.50	"	20.0		85.0	70-130			
Ethylbenzene	20.1	0.50	"	20.0		101	70-130			
Xylenes (total)	55.5	0.50	"	60.0		92.5	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	26.6		"	30.0		88.7	70-130			
<b>Matrix Spike (0D12001-MS1)</b> Source: W004117-05 Prepared & Analyzed: 12-Apr-00										
Benzene	18.3	0.50	ug/l	20.0	ND	91.5	70-130			
Toluene	19.1	0.50	"	20.0	ND	95.5	70-130			
Ethylbenzene	18.3	0.50	"	20.0	ND	91.5	70-130			
Xylenes (total)	61.6	0.50	"	60.0	ND	103	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	27.0		"	30.0		90.0	70-130			
<b>Matrix Spike Dup (0D12001-MSD1)</b> Source: W004117-05 Prepared & Analyzed: 12-Apr-00										
Benzene	17.3	0.50	ug/l	20.0	ND	86.5	70-130	5.62	20	
Toluene	17.9	0.50	"	20.0	ND	89.5	70-130	6.49	20	
Ethylbenzene	18.5	0.50	"	20.0	ND	92.5	70-130	1.09	20	
Xylenes (total)	58.7	0.50	"	60.0	ND	97.8	70-130	4.82	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	26.9		"	30.0		89.7	70-130			





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

Project: Chevron  
Project Number: Chevron # 9-6607  
Project Manager: Deanna L. Harding

Reported:  
20-Apr-00 07:31

### Notes and Definitions

P-01 Chromatogram Pattern: Gasoline C6-C12  
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

