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LS

GETTLER-RYAN INC.

TRANSMITTAL

October 18, 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	October 12, 2000	Groundwater Monitoring and Sampling Report Third Quarter Event of July 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 ***October 30, 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

Enclosures

ENVIRONMENTAL PROTECTION
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GETTLER-RYAN INC.

October 12, 2000
G-R Job #386502

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

RE: Third Quarter Event of July 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 Procedure - Groundwater Sampling (attached).

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

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

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

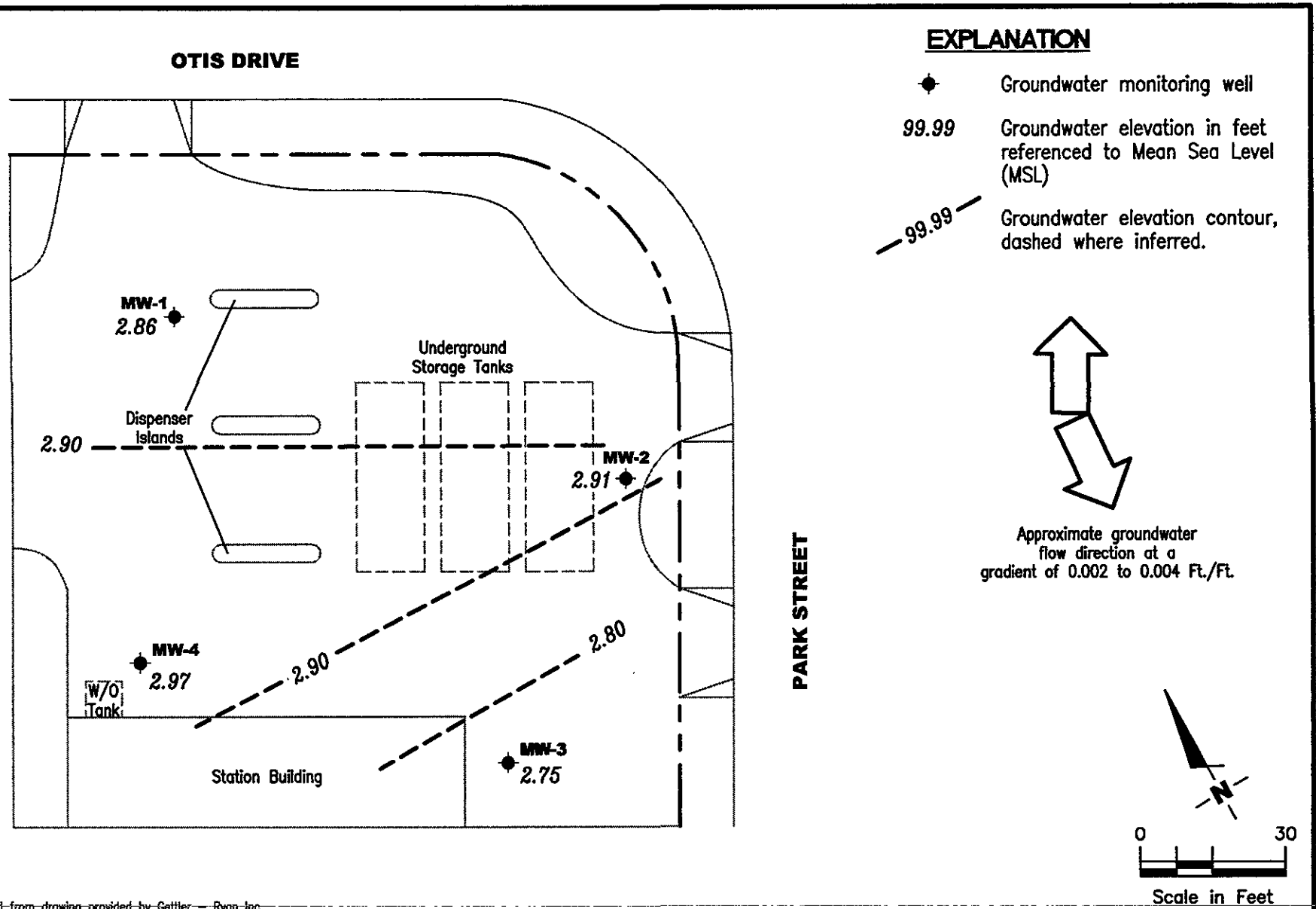
Sincerely,

Deanna L. Harding
Project Coordinator

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

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

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



Source: Figure modified from drawing provided by Gettler – Ryan Inc.

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

POTENTIOMETRIC MAP
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386502		July 3, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\9-6607\Q00-9-6607.DWG | Layout Tab: POT3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #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-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[1]	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[3]	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[5]	--
6.92	04/09/97[6]	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	--[8]	--
	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[5]	--
	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[9]	22	<0.50	<0.50	<0.50	550	--
	07/03/00	**4.06**	**2.86**	**--**	**180[9]**	**12**	**<1.0**	**<1.0**	**<1.0**	**850**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #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-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[2]	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[3]	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[7]	<5.0	<5.0	<5.0	<5.0	1,300/1,600[5]	--
	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	--[8]	--
	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	--
	07/03/00	**4.52**	**2.91**	**--**	**140[9]**	**<0.50**	**<0.50**	**<0.50**	**0.88**	**1,300**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #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[3]	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[6]	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~~	--	--	--	--	--	--	--	--
NP	**07/03/00**	**5.25**	**2.75**	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #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-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[4]	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	--	--	--	--	--	--	--	--
NP	**07/03/00**	**4.88**	**2.97**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #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)
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	--
	07/03/00	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

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

EXPLANATIONS:

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

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean seal level
TPH(G) = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
TOG = Total Oil and Grease

ppb = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed

* 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 — Job#: 386502

Address: 2340 OTIS DR. — Date: 7-3-00

City: ALAMEDA, CA — Sampler: Frank T.

Well ID: MW-1 — Well Condition: O'K'

Well Diameter: 4" in. — Hydrocarbon Thickness: 0 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 22.78 ft.

Depth to Water: 4.06 ft.

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

18.72 X VF .66 = 12.35 X 3 (case volume) = Estimated Purge Volume: 37.06 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 5:10 — Weather Conditions: SUNNY

Sampling Time: 5:41 — Water Color: CLEAR — Odor: YES

Purging Flow Rate: 1.5 - 2.0 gpm. — Sediment Description: _____

Did well de-water? NO — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 10	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:17	12.5	7.02	667	72.3			
5:24	25.0	7.01	735	68.0			
5:31	37.0	7.07	759	67.7			

LABORATORY INFORMATION

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

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility: CHEVRON SS # 9-6607 — Job#: 386502
Address: 2340 OTIS DR. — Date: 7-3-00
City: ALAMEDA, CA — Sampler: FRANK T.

Well ID: MW-2 — Well Condition: O'K'

Well Diameter: 4" in. — Hydrocarbon Thickness: 0 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 23.35 ft.

Depth to Water: 4.52 ft.

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

18.83 X VF .66 = 12.42 X 3 (case volume) = Estimated Purge Volume: 37.28 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 4:07 — Weather Conditions: SUNNY
Sampling Time: 4:48 — Water Color: CLEAR — Odor: NO
Purging Flow Rate: 1.5 - 2.0 gpm. — Sediment Description: _____
Did well de-water? NO — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:14	13.5	7.39	508	71.2			
4:26	25.0	7.59	507	70.1			
4:38	37.0	7.68	502	69.7			

LABORATORY INFORMATION

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

COMMENTS: SLOW RECOVERY ON LAST TWO READINGS.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility: CHEVRON SS # 9-6607 | Job#: 386502

Address: 2340 OTIS DR. | Date: 7-3-00

City: ALAMEDA, CA | Sampler: Frank T.

Well ID: MW-3 | Well Condition: O'K'

Well Diameter: 4" in. | Hydrocarbon Thickness: 0 (feet) | Amount Bailed (product/water): 0 (Gallons)

Total Depth: 23.38 ft.

Depth to Water: 5.25 ft.

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

N/A 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: ____ | Weather Conditions: SUNNY

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 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	VOA VIAL	Y	HCL	SEQUOIA	TPHG / BTEX / MTBE

COMMENTS: NO PURGE OR SAMPLE, JUST GAUGING.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility: CHEVRON SS # 9-6607 — Job#: 386502

Address: 2340 OTIS DR. — Date: 7-3-00

City: ALAMEDA, CA — Sampler: FRANK T.

Well ID: MW-4 — Well Condition: O'K'

Well Diameter: 4" in. — Hydrocarbon Thickness: 0 (feet) — Amount Bailed (product/water): 0 (Gallons)

Total Depth: 20.19 ft.

Depth to Water: 4.88 ft.

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

N/A 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: ____ — Weather Conditions: SUNNY

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 µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	VOA VIAL	Y	HCL	SEQUOIA	TPHG / BTEX / MTBE

COMMENTS: A NEW MASTERLOCK. NO PURGE ON SAMPLE JUST GRABBING

9/97-fieldst.frm

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody

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

Chevron Facility Number: # 9-6607
Facility Address: 2340 OTIS DR. ALAMEDA CA
Consultant Project Number: 386502
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. Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: SEQUOIA
Laboratory Service Order: W0D7128
Laboratory Service Code:
Samples Collected by (Name): FRANK TERRINONI
Signature:

State Method: ☒ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended					Remarks / Lab Sample No.
TBLB	1	W	HCL	7/3/00	X																	01 A
MW-1	2	↓	↓	17:41	X																	02 A-B
MW-2	2	↓	↓	↓ 16:48	X																	03 ↓

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
[signature]	G-R INC.	7-5-00 10:02 am	Jolen Weber	G-R Inc	7/5/00	Iced (Y)/N
Jolen Weber	G-R Inc.	7-6-00 0800	[signature]	Seq	7/6 1130	Iced (Y)/N
[signature]	Seq.	7/6 1810	Received For Laboratory By (Signature): [signature]		7/6 1810	

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
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31 July, 2000

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

RE: Chevron
Sequoia Report: W007128

Enclosed are the results of analyses for samples received by the laboratory on 06-Jul-00 18:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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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:** 31-Jul-00 17:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W007128-01	Water	03-Jul-00 00:00	06-Jul-00 18:10
MW-1	W007128-02	Water	03-Jul-00 17:41	06-Jul-00 18:10
MW-2	W007128-03	Water	03-Jul-00 16:48	06-Jul-00 18:10

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

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-6607	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	31-Jul-00 17:31

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
TB-LB (W007128-01) Water Sampled: 03-Jul-00 00:00 Received: 06-Jul-00 18:10									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G17003	17-Jul-00	17-Jul-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	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*		*70-130*	"	"	"	"	
MW-1 (W007128-02) Water Sampled: 03-Jul-00 17:41 Received: 06-Jul-00 18:10									**P-01**
Purgeable Hydrocarbons	**180**	100	ug/l	2	0G17003	17-Jul-00	17-Jul-00	EPA 8015M/8020	
Benzene	**12**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**850**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.7 %*		*70-130*	"	"	"	"	
MW-2 (W007128-03) Water Sampled: 03-Jul-00 16:48 Received: 06-Jul-00 18:10									**P-01**
Purgeable Hydrocarbons	**140**	50	ug/l	1	0G17003	17-Jul-00	17-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.88**	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*		*70-130*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-6607	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	31-Jul-00 17:31

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
MW-2 (W007128-03RE1) Water	**Sampled: 03-Jul-00 16:48**	**Received: 06-Jul-00 18:10**							**P-01**
Methyl tert-butyl ether	**1300**	130	ug/l	50	0G17003	17-Jul-00	18-Jul-00	EPA 8015M/8020	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-6607	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	31-Jul-00 17:31

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
Batch 0G17003 - EPA 5030B [P/T]										
Blank (0G17003-BLK1)				Prepared & Analyzed: 17-Jul-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: a,a,a-Trifluorotoluene	*28.7*		"	*30.0*		*95.7*	*70-130*			
LCS (0G17003-BS1)				Prepared & Analyzed: 17-Jul-00						
Benzene	19.5	0.50	ug/l	20.0		97.5	70-130			
Toluene	19.8	0.50	"	20.0		99.0	70-130			
Ethylbenzene	20.1	0.50	"	20.0		101	70-130			
Xylenes (total)	58.1	0.50	"	60.0		96.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.0*		"	*30.0*		*93.3*	*70-130*			
Matrix Spike (0G17003-MS1)		**Source: W007128-03**		Prepared & Analyzed: 17-Jul-00						
Benzene	19.9	0.50	ug/l	20.0	ND	99.5	70-130			
Toluene	19.9	0.50	"	20.0	ND	99.5	70-130			
Ethylbenzene	20.2	0.50	"	20.0	ND	101	70-130			
Xylenes (total)	57.8	0.50	"	60.0	0.88	94.9	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.7*		"	*30.0*		*92.3*	*70-130*			
Matrix Spike Dup (0G17003-MSD1)		**Source: W007128-03**		Prepared & Analyzed: 17-Jul-00						
Benzene	20.7	0.50	ug/l	20.0	ND	104	70-130	3.94	20	
Toluene	21.2	0.50	"	20.0	ND	106	70-130	6.33	20	
Ethylbenzene	22.3	0.50	"	20.0	ND	111	70-130	9.88	20	
Xylenes (total)	63.9	0.50	"	60.0	0.88	105	70-130	10.0	20	
Surrogate: a,a,a-Trifluorotoluene	*27.6*		"	*30.0*		*92.0*	*70-130*			

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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:** 31-Jul-00 17:31

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