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November 6, 1997

Mr. Thomas Peacock
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing - Sales West
Phone 510 842-9500

**Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California**

Dear Mr. Peacock:

Enclosed is the Semi-Annual Groundwater Monitoring Report for 1997 (Third Quarter), that was prepared by our consultant Gettler-Ryan Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents.

The sampling frequency on the groundwater monitoring wells were changed in accordance with Juliet Shin's letter of May 21, 1997 and verbal conversation of June 12, 1997. Monitoring wells C-4, C-5 and C-6 were discontinued to be sampled, while wells C-1, C-2, C-3, C-7 and C-8 are to be sampled annually, in March. Wells C-9, C-10 and C-11 are to be sampled semi-annually, in March and September.

The results from sampling monitoring well C-9 was below method detection limits for all constituents. The benzene constituent increased slightly to <2.5 ppb in monitoring well C-10, while decreasing in well C-11 to 0.7 ppb.

Depth to ground water varied from 9.67 feet to 11.61 feet below grade with direction of flow southwesterly.

It appears that natural attenuation is occurring at this site, however, Chevron will continue to monitor the site as noted above to confirm this.

November 6, 1997
Mr. Thomas Peacock
Chevron Service Station #9-0504
Page 2

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

A handwritten signature in black ink, appearing to read "Philip R. Briggs". The signature is fluid and cursive, with the first name "Philip" being the most prominent.

Philip R. Briggs
Site Assessment and Remediation Project Manger

Enclosure

cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403



GETTLER-RYAN INC.

November 3, 1997

Job #5259.80

Mr. Phil Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Re: Semi-Annual Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0504
15900 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Briggs:

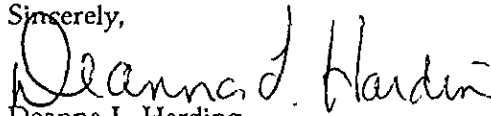
This report documents the semi-annual groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On September 29, 1997, field personnel were on-site to monitor and sample three wells (C-9, C-10 and C-11) at Chevron Service Station #9-0504 located at 15900 Hesperian Boulevard in San Lorenzo, California.


Static groundwater levels were measured on September 29, 1997. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

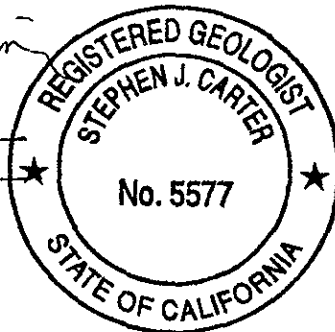
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are attached.

Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

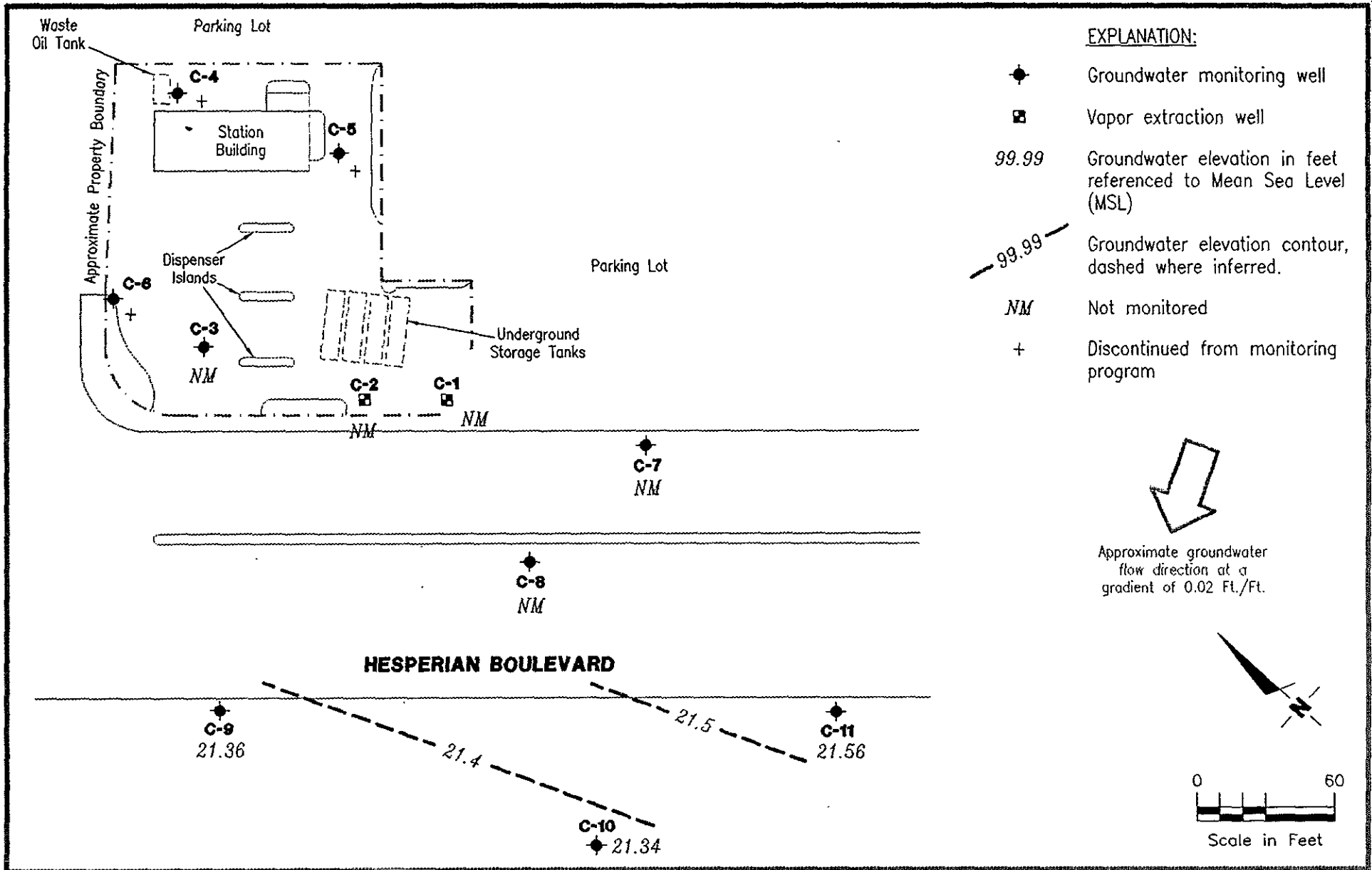

Deanna L. Harding
Project Coordinator


Stephen J. Carter
Senior Geologist, R.G. No. 5577



DLH/SJC/dlh
5259.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater 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 (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Chevron Service Station No. 9-0504
15900 Hesperian Boulevard
San Lorenzo, California

FIGURE

1

JOB NUMBER
5259

REVIEWED BY

DATE
September 30, 1997

REVISED DATE



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE	C	HVOCs ----->
C-1	6/6/89	—	—	0	5,100	250	170	200	990	—	—	—
	12/8/89	13.14	—	0.01	—	—	—	—	—	—	—	—
33.93 ²	9/7/90	14.04	19.91 ¹	0.03	—	—	—	—	—	—	—	—
	12/20/90	13.87	20.07 ²	0.01	—	—	—	—	—	—	—	—
	3/15/91	11.40	22.53	0	37,000	220	53	53	1,900	—	—	—
	6/28/91	12.25	21.68	0	3,300	110	6.2	6.2	350	—	—	—
	9/26/91	14.02	19.91	0	3,200	220	6.9	6.9	710	—	—	—
	1/27/92	12.63	21.30	0	330	20	0.6	0.6	48	—	—	—
	4/20/92	10.43	23.50	0	2,700	130	3.4	3.4	690	—	—	—
	7/17/92	12.61	21.32	0	490	17	<0.5	<0.5	52	—	—	—
	1/20/93	9.42	24.51	0	—	—	—	—	—	—	—	—
	7/28/93	10.48	23.45	0	—	—	—	—	—	—	—	—
32.80	10/27/93	11.32	21.48	0	240	3.6	<0.5	11	23	—	—	—
	3/31/94	9.45	23.35	0	530	23	1.2	10	120	—	—	—
	6/8/94	9.93	22.87	0	990	15	1.5	42	89	—	—	—
	9/29/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	11/9/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	12/14/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	3/30/95	8.01	24.79	0	3,900	21	7.2	190	250	—	—	—
	6/30/95	9.82	22.98	0	1,400	3.1	0.8	54	95	—	—	—
	9/22/95	10.60	22.20	0	620 ⁸	0.7	<0.5	3.3	3.5	—	—	—
	12/11/95	10.30	22.50	0	210	2.4	<0.5	43	85	79	—	—
	3/8/96	7.65	25.15	0	750	2.1	<0.5	22	34	330	—	—
	6/21/96	9.28	23.52	0	2,800	9.0	<0.5	94	83	1,300	—	—
	9/27/96	10.28	22.52	0	770	0.5	<0.5	5.1	6.1	580	—	—
	1/3/97	7.85	24.95	0	1,800	2.8	<0.5	51	41	110	—	—
3/28/97	9.37	23.43	0	720	0.6	<0.5	4.7	3.7	200	—	—	
9/30/97	—	—	—	—	—	—	—	—	—	—	—	
C-2	6/6/89	—	—	0	130,000	14,000	28,000	3,400	24,000	—	—	—
	12/8/89	13.44	—	0.15	—	—	—	—	—	—	—	—
34.21 ²	9/7/90	14.28	20.01 ¹	0.10	—	—	—	—	—	—	—	—
	12/20/90	14.06	20.16 ⁴	0.01	—	—	—	—	—	—	—	—
	3/15/91	11.59	22.63 ¹	0.01	1,200,000	4,700	16,000	13,000	140,000	—	—	—
	6/28/91	12.55	21.66	0	150,000	3,500	4,200	2,100	16,000	—	—	—
	9/26/91	14.20	20.01	0	4,900	220	290	130	880	—	—	—
	1/27/92	12.46	21.75	0	8,200	510	590	230	1,300	—	—	—
	4/20/92	10.24	23.97	0	19,000	1,700	1,700	930	4,700	—	—	—
	7/17/92	12.81	21.40	0	20,000	950	950	1,300	4,700	—	—	—
	1/20/93	8.79	25.42	0	—	—	—	—	—	—	—	—
	10/27/93	12.36	21.10	0	1,600	63	5.8	5.9	190	—	—	—
33.46	3/31/94	9.62	23.84	0	12,000	300	96	510	2,700	—	—	—
	6/8/94	9.98	23.48	0	8,700	140	35	250	1,500	—	—	—
	9/28/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	11/9/94 ⁴	—	—	—	—	—	—	—	—	—	—	—



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE	C	HVOCs
C-2 (cont)	12/14/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	3/30/95	7.69	25.77	0	1,400	17	5.4	52	240	—	—	—
	6/30/95	9.90	23.56	0	730	22	2.6	50	240	—	—	—
	9/22/95	10.61	22.85	0	2,100 ⁸	66	7.3	140	550	—	—	—
	12/11/95	10.38	23.08	0	3,700	23	<0.5	68	300	1,000	—	—
	3/8/96	7.70	25.76	0	2,200	19	<5.0	63	290	1,300	—	—
	6/21/96	9.37	24.09	0	2,200	23	1.1	70	260	2,300	—	—
	9/27/96	10.58	22.88	0	5,500	12	0.6	30	110	2,200	—	—
	1/3/97	7.90	25.56	0	750	4.2	<0.5	29	120	51	—	—
	3/28/97	9.35	24.11	0	1,300	12	1.5	24	86	310	—	—
9/30/97	—	—	—	—	—	—	—	—	—	—	—	
C-3	6/6/89	—	—	0	2,600	63	20	390	370	—	—	—
	12/8/89	—	—	0	680	6.0	1.0	31	58	—	—	—
35.46 ² (d)	9/7/90	15.31	20.15	0	490	6.0	<0.5	41	120	—	—	—
	9/7/90	—	—	0	460	6.0	<0.5	40	110	—	—	—
(d)	12/20/90	15.17	20.29	0	100	5.0	<0.5	27	130	—	—	—
	3/6/91	13.27	22.19	0	1,300	7.0	<0.5	75	250	—	—	—
(d)	3/6/91	—	—	0	1,400	8.0	<0.5	76	250	—	—	—
	6/28/91	13.67	21.79	0	770	6.0	<0.5	81	71	—	—	—
(d)	6/28/91	—	—	0	990	5.5	<0.5	86	75	—	—	—
	9/26/91	15.32	20.14	0	1,400	7.9	<0.5	98	340	—	—	—
	1/27/92	13.91	21.55	0	150	0.7	<0.5	12	12	—	—	—
	4/20/92	11.66	23.80	0	1,600	9.3	1.0	190	370	—	—	—
	7/17/92	13.96	21.50	0	460	18	<0.5	20	52	—	—	—
	10/29/92	15.51	19.95	0	520	2.4	1.0	30	79	—	—	—
	1/20/93	10.99	24.47	0	4,200	7.4	<0.5	140	380	—	—	—
	5/3/93	10.97	24.49	0	1,300	6.8	3.2	71	170	—	—	—
	7/28/93	12.41	23.05	0	220	1.4	<0.5	17	39	—	—	—
	10/27/93	13.37	21.78	0	1,800	5.5	0.7	68	290	—	—	—
	3/31/94	11.56 ³	23.90	0	310	1.2	<0.5	19	54	—	—	—
	6/8/94	12.07	23.39	0	300	2.7	1.6	19	48	—	—	—
	9/29/94 ⁵	13.84	21.62	0	2,500	<25	<25	<25	220	—	—	—
	11/9/94 ⁶	—	—	0	170	<0.5	0.8	3.3	16	—	—	—
	12/14/94	11.85	23.61	0	510	3.2	1.4	28	60	—	—	—
	3/30/95	9.61	25.85	0	66	<0.5	<0.5	1.1	2.4	—	—	—
	6/30/95	11.50	23.96	0	1,500	1.9	8.1	100	300	—	—	—
	9/22/95	12.58	22.88	0	600 ⁸	0.7	<0.5	43	110	—	—	—
	12/11/95	12.55	22.91	0	670 ⁹	<0.5	<0.5	7.0	13	15	—	—
	3/8/96	9.66	25.80	0	3,600	7.5	33	130	400	1,100	—	—
	6/21/96	11.78	23.68	0	310	<0.5	<0.5	16	49	57	—	—
	9/27/96	12.37	23.09	0	250	<0.5	<0.5	3.6	9.6	44	—	—
	1/3/97	9.89	25.57	0	170	<0.5	1.2	4.5	15	15	—	—
	3/28/97	10.96	24.50	0	60	<0.5	<0.5	1.7	1.8	23	—	—
9/30/97	—	—	—	—	—	—	—	—	—	—	—	



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE	C	HVOCs ----->
C-4	6/6/89	—	—	0	<50	<0.05	<1.0	<1.0	<3.0	—	—	—
	12/8/89	—	—	0	<500	<0.5	<0.5	<0.5	<0.5	—	—	—
35.78 ²	9/7/90	15.58	20.20	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	15.42	20.36	0	170	1.0	<0.5	<0.5	4.0	—	—	—
	3/6/91	13.54	22.24	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/28/91	13.93	21.85	0	<50	<0.5	<0.5	<0.5	<0.8	—	—	—
	9/26/91	15.64	20.14	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	15.64	—	0	<50	<0.5	<0.5	<0.5	—	—	—	—
	1/27/92	13.96	21.82	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	4/20/92	11.71	24.07	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/17/92	14.19	21.59	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	10/29/92	15.72	20.06	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/20/93	11.17	24.61	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	5/3/93	10.94	24.84	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/28/93	12.40	23.38	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
35.23	10/27/93	13.32	21.91	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	3/31/94 ⁴	—	—	—	—	—	—	—	—	—	—	—
	6/8/94	11.92	23.31	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/29/94 ⁵	13.76	21.47	0	<2,500	<25	<25	<25	<25	—	<0.5	ND ⁷
	11/9/94 ⁶	—	—	0	<50	<0.5	<0.5	<0.5	<0.5	—	<0.5	ND ⁷
	12/14/94	11.79	23.44	0	<50	2.1	3.0	1.9	3.7	—	1.8	ND ⁷
	3/30/95	9.01	26.22	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/30/95	11.44	23.79	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/22/95	12.51	22.72	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/11/95	12.62	22.61	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	3/8/96	9.63	25.60	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	6/21/96	11.24	23.99	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/27/96	12.31	22.92	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
1/3/97	9.69	25.54	0	<50	1.5	7.2	1.3	6.2	<5.0	—	—	
3/28/97	11.00	24.23	0	<50	5.0	8.3	0.8	4.7	<5.0	—	—	
9/30/97	Discontinued			—	—	—	—	—	—	—	—	—
C-5	6/6/89	—	—	0	<50	<0.05	<0.05	<1.0	<3.0	—	—	—
	12/8/89	—	—	0	<500	<0.5	<0.5	<0.5	<0.5	—	—	—
35.31 ²	9/7/90	15.10	20.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	14.94	20.37	0	80	<0.5	<0.5	<0.5	<0.5	—	—	—
	3/6/91	13.06	22.25	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/28/91	13.46	21.85	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	15.14	20.17	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/27/92	13.31	22.00	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	4/20/92	11.10	24.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/17/92	13.73	21.58	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	10/29/92	15.20	20.11	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/20/93	10.72	24.59	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	5/3/93	10.43	24.88	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE	C	HVOCs
C-5 (cont) 34.61	7/28/93	11.81	23.50	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	10/27/93	12.68	21.93	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	11.00 ^a	23.61	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	11.26	23.35	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94 ^b	13.10	21.51	0	<2,500	<25	<25	<25	<25	---	---	---
	11/9/94 ^c	---	---	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/14/94	11.37	23.24	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/30/95	8.97	25.64	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	10.83	23.78	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/22/95	11.89	22.72	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	12/11/95	11.78	22.83	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
	3/8/96	9.02	25.59	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	6/21/96	10.64	23.97	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/27/96	11.57	23.04	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	1/3/97	9.02	25.59	0	<50	0.7	3.2	<0.5	2.2	<5.0	---	---
	3/28/97	10.38	24.23	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---
	9/30/97	Discontinued		---	---	---	---	---	---	---	---	---
C-6 36.89 ²	12/8/89	---	---	0	<500	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/7/90	16.83	20.06	0	57	<0.5	<0.5	0.6	4.0	---	---	---
	12/20/90	16.66	20.23	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	3/6/91	14.80	22.09	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/28/91	15.16	21.73	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/26/91	16.82	20.07	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/27/92	15.44	21.45	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	4/20/92	13.17	23.72	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/17/92	15.44	21.45	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	10/29/92	16.98	19.91	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	1/20/93	12.47	24.42	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	5/3/93	---	---	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	7/28/93	13.86	23.03	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	10/27/93	14.85	21.72	0	<50	<0.5	<0.5	<0.5	<1.5	---	---	---
	3/31/94	13.00	23.57	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/8/94	13.44	23.13	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	9/29/94 ^b	14.88	21.69	0	<2,500	<25	<25	<25	<25	---	---	---
	11/9/94 ^c	---	---	0	<50	<0.5	0.5	<0.5	<0.5	---	---	---
	12/14/94	12.99	23.58	0	<50	<0.5	0.9	1.5	1.3	2.6	---	---
	3/30/95	10.77	25.80	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
	6/30/95	12.62	23.95	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---
9/22/95	13.65	22.92	0	<50	<0.5	<0.5	<0.5	<0.5	---	---	---	
12/11/95	13.68	22.89	0	140 ^{pp}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	
3/8/96	10.73	25.84	0	<50	<0.5	0.6	<0.5	<0.5	<5.0	---	---	
6/21/96	12.41	24.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	
9/27/96	13.47	23.10	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	
1/3/97	11.00	25.57	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE	C	HVOCs ----->
C-6 (cont)	3/28/97	12.06	24.51	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
	9/30/97	Discontinued		--	--	--	--	--	--	--	--	--
C-7 32.75 ²	12/8/89	--	--	0	1,700	32	12	17	150	--	--	--
	9/7/90	13.02	19.73	0	880	84	23	46	180	--	--	--
32.32	12/20/90	12.28	20.47	0	560	24	3.0	19	21	--	--	--
	3/6/91	16.92	15.83	0	240	25	2.0	4.0	26	--	--	--
	6/28/91	11.31	21.44	0	2,400	130	13	82	220	--	--	--
	9/26/91	12.28	20.47	0	8,100	47	35	350	1,200	--	--	--
	1/27/92	11.43	21.32	0	12,000	170	40	420	830	--	--	--
	4/20/92	9.28	23.47	0	1,200	80	11	90	110	--	--	--
	7/17/92	11.49	21.26	0	2,400	20	7.4	95	200	--	--	--
	10/29/92	13.05	19.70	0	69	1.3	<0.5	3.8	7.2	--	--	--
	1/20/93	8.69	24.06	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	5/3/93	8.68	24.07	0	2,400	29	8.6	140	210	--	--	--
	7/28/93	9.99	22.76	0	3,600	38	16	290	920	--	--	--
	10/27/93	10.72	21.60	0	22,000	23	26	990	2,600	--	--	--
	3/31/94	9.11	23.21	0	2,300	45	7.0	130	190	--	--	--
	6/8/94	9.22	23.10	0	6,900	46	11	380	820	--	--	--
	9/29/94	11.32	21.00	0	11,000	10	11	620	810	--	--	--
	11/9/94 ⁶	--	--	0	7,800	33	18	570	1,100	--	--	--
	12/14/94	8.99	23.33	0	7,700	63	16	140	1,200	--	--	--
	3/30/95	7.28	25.04	0	4,100	64	18	170	280	--	--	--
	6/30/95	9.07	23.25	0	1,200	31	3.7	21	18	--	--	--
	9/22/95	10.05	22.27	0	1,800	64	5.7	30	38	--	--	--
	12/11/95	9.30	23.02	0	14,000	80	6.1	91	120	70	--	--
	3/8/96	7.33	24.99	0	2,300	57	8.4	110	180	37	--	--
	6/21/96	8.85	23.47	0	1,100	37	3.2	21	29	9.0	--	--
9/27/96	9.11	23.21	0	10,000	150	30	270	670	45	--	--	
1/3/97	7.49	24.83	0	1,800	35	<0.5	34	72	15	--	--	
3/28/97	8.57	23.75	0	2,200	38	4.1	31	56	19	--	--	
9/30/97	--	--	--	--	--	--	--	--	--	--	--	
C-8 33.82 ²	12/8/89	--	--	0	4,800	62	11	95	180	--	--	--
	9/7/90	14.32	19.50	0	3,700	170	31	180	270	--	--	--
	12/20/90	14.20	19.61	0	3,900	120	20	130	180	--	--	--
	3/6/91	14.80	19.02	0	1,200	45	6.0	34	57	--	--	--
	6/28/91	12.65	21.17	0	6,900	180	46	340	640	--	--	--
	9/26/91	14.29	19.53	0	1,400	66	9.8	38	40	--	--	--
	1/27/92	12.60	21.22	0	3,600	100	26	170	260	--	--	--
	4/20/92	10.36	23.46	0	2,600	110	32	180	260	--	--	--
	7/17/92	12.88	20.94	0	1,100	34	5.9	35	52	--	--	--
	10/29/92	14.39	19.43	0	820	29	4.8	23	27	--	--	--
	1/20/93	10.02	23.80	0	6,000	81	22	200	310	--	--	--



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) (ft)	B	T	E	X	MTBE	C	HVOCs
C-8	5/3/93	9.75	24.07	0	11,000	75	96	880	2,600	—	—	—
(cont)	7/28/93	11.14	22.68	0	2,800	60	13	92	150	—	—	—
33.25	10/27/93	12.01	21.24	0	2,700	49	17	60	90	—	—	—
	3/31/94	10.27	22.98	0	190	8.6	1.7	9.1	11	—	—	—
	6/8/94	10.56	22.69	0	2,800	52	110	78	110	—	—	—
	9/29/94	12.42	20.83	0	3,700	120	20	120	85	—	—	—
	11/9/94 ^c	—	—	0	3,200	82	44	160	110	—	—	—
	12/14/94	10.51	22.74	0	5,300	140	30	170	310	—	—	—
	3/30/95	8.44	24.81	0	3,900	86	19	180	210	—	—	—
	6/30/95	10.14	23.11	0	1,500	75	21	72	72	—	—	—
	9/22/95	11.20	22.05	0	3,400	94	24	110	110	—	—	—
	12/11/95	10.99	22.26	0	7,500	100	<0.5	160	120	130	—	—
	3/8/96	8.46	24.79	0	3,600	93	8.9	110	88	82	—	—
	6/21/96	9.97	23.28	0	3,200	69	6.8	100	88	19	—	—
	9/27/96	10.78	22.47	0	7,000	98	12	150	130	53	—	—
	1/3/97	8.82	24.43	0	5,700	43	9.3	110	95	17	—	—
	3/28/97	9.65	23.60	0	4,900	52	4.7	70	47	50	—	—
	9/30/97	—	—	—	—	—	—	—	—	—	—	—
C-9/ 33.43 ²	9/7/90	14.06	19.37	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/20/90	14.03	19.40	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	3/6/91	12.12	21.31	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/28/91	12.41	21.02	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/26/91	14.02	19.41	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/27/92	12.53	20.90	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	4/20/92	10.22	23.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	7/17/92	12.64	20.79	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	10/29/92	14.20	19.23	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	1/20/93	9.72	23.71	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	5/3/93	9.55	23.66	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	7/28/93	10.98	22.45	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
32.97	10/27/93	11.98	20.99	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	3/31/94	10.17	22.80	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/8/94	10.53	22.44	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/29/94 ^c	12.40	20.57	0	<5,000	<50	<50	<50	<50	—	—	—
	11/9/94 ^c	—	—	0	<50	<0.5	<0.5	<0.5	0.7	—	—	—
	12/14/94	10.49	22.48	0	69	1.1	2.2	3.4	7.8	—	—	—
	3/30/95	8.20	24.77	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	6/30/95	9.97	23.00	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/22/95	11.07	21.90	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	12/11/95	11.08	21.89	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	3/8/96	8.20	24.77	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	6/21/96	9.81	23.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	9/27/96	10.91	22.06	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
	1/3/97	8.67	24.30	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <	B	T	E	X	MTBE	C	HVOCs	ppb		
													>	>	
C-9 (cont)	3/28/97	9.47	23.50	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—			
	9/30/97	11.61	21.36	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—			
C-10/ 31.63 ²	9/7/90	12.49	19.14	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	12/20/90	12.36	19.27	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
(d)	3/6/91	10.45	21.18	0	<50	<0.5	0.8	<0.5	0.8	—	—	—			
	6/28/91	10.74	20.69	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	9/26/91	12.42	19.21	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	1/27/92	10.84	20.79	0	<50	<0.5	1.3	<0.5	<0.5	—	—	—			
	1/27/92	—	—	0	<50	<0.5	1.3	<0.5	<0.5	—	—	—			
	4/20/92	8.55	23.06	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	7/17/92	11.02	20.61	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	10/29/92	12.40	19.23	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	1/20/93	8.14	23.49	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	5/3/93	7.92	23.71	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—			
	7/28/93	9.36	22.27	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—			
	31.16	10/27/93	10.30	20.86	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—		
		3/31/94	8.45	22.71	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—		
		6/8/94	8.85	22.31	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—		
		9/29/94 ²	10.70	20.46	0	<5,000	<50	<50	<50	<50	—	—	—		
		11/9/94 ⁶	—	—	0	<50	<0.5	1.4	0.8	1.2	—	—	—		
		12/14/94	8.61	22.55	0	110	3.9	5.4	4.3	11	—	—	—		
3/30/95		6.65	24.51	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
6/30/95		8.30	22.86	0	<50	1.5	1.5	<0.5	2.2	—	—	—			
9/22/95		9.41	21.75	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
12/11/95		9.27	21.89	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—			
3/8/96		6.63	24.53	0	<50	<0.5	<0.5	<0.5	0.5	<5.0	—	—			
6/21/96	8.12	23.04	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—				
9/27/96	9.21	21.95	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—				
1/3/97	7.32	23.84	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—				
3/28/97	7.82	23.34	0	<50	1.2	1.8	<0.5	0.8	<5.0	—	—				
9/30/97	9.82	21.34	0	<250 ¹¹	<2.5	<2.5	<2.5	<2.5	<25	—	—				
C-11/ 31.58 ²	9/7/90	12.22	19.36	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	12/20/90	12.08	19.50	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	3/6/91	16.15	15.43	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	6/28/91	10.52	21.06	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	9/26/91	12.20	19.38	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	1/27/92	10.73	20.85	0	<50	<0.5	0.8	<0.5	<0.5	—	—	—			
	4/20/92	8.56	23.02	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	7/17/92	10.78	20.80	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	10/29/92	12.07	19.51	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	1/20/93	7.97	21.61	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—			
	5/3/93	7.95	23.63	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—			



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE	C	HVOCs
C-11 (cont) 31.23	7/28/93	9.31	22.27	0	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	10/27/93	10.17	21.06	0	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
	3/31/94	8.43	22.80	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	6/8/94	8.76	22.47	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	9/29/94	10.54	20.69	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	11/9/94	--	--	0	<50	<0.5	0.6	<0.5	0.7	--	--	--
	12/14/94	8.50	22.73	0	51	1.1	1.7	1.6	4.0	--	--	--
	3/30/95	6.85	24.38	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	6/30/95	8.34	22.89	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	9/22/95	9.30	21.93	0	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
	12/11/95	9.01	22.22	0	<50	<0.5	<0.5	<0.5	1.1	1.1	--	--
	3/8/96	6.90	24.33	0	<50	<0.5	0.6	<0.5	1.6	<5.0	--	--
	6/21/96	8.10	23.13	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
	9/27/96	9.07	22.16	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
	1/3/97	7.13	24.10	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--
	3/28/97	9.83	21.40	0	120	12	20	2.3	14	<5.0	--	--
	9/30/97	9.67	21.56	0	<50	0.7	0.8	<0.5	0.6	<5.0	--	--
	Trip Blank	9/7/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/6/91		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
6/28/91		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
9/26/91		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
1/27/92		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
4/20/92		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
7/17/92		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
10/29/92		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
1/20/93		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
5/3/93		--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
7/28/93		--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
10/27/93		--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
3/31/94		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
6/8/94		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/9/94		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/14/94		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
3/30/95		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
6/30/95		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
9/22/95		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/11/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	
3/8/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	
6/21/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	
9/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	
1/3/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	
3/28/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	
9/30/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE	C	HVOCs
DTSC MCLs	--	--	--	--	--	NE	1.0	100	680	1,750	--	--



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California (continued)

EXPLANATION:

TOC = Top of casing elevation
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary-butyl ether
C = Chloroform
HVOC = Halogenated Volatile Organic Compounds
DTSC = Department of Toxic Substances Control
MCLs = Maximum Contaminant Level
NE = Not established
(d) = duplicate
ppb = Parts per billion
--- = Not available/not applicable

ANALYTICAL METHODS:

TPH(G) = EPA Method 8015/5030
BTEX & MTBE = EPA Method 8020
HVOC's = EPA Method 8010

NOTES:

Analytical results and groundwater elevation data prior to 1995 were compiled from the quarterly groundwater monitoring reports prepared for Chevron by Sierra Environmental Services.

* A product thickness measured with an MMC flexi-dip interface probe.

¹ Groundwater Elevation = [(Top-of-casing elevation - depth to water) + (0.8 x hydrocarbon thickness)]. The assumed specific gravity for free-phase hydrocarbons is 0.8.

² Elevation of well box.

³ Depth to water measured from top of well vault.

⁴ Well inaccessible due to down-hole extraction equipment.

⁵ Detection limit raised due to foaming sample.

⁶ All site monitoring wells were re-sampled due to an excessive number of foaming samples on the 9/29/94 event.

⁷ Other HVOCs were not detected at detection limits of 0.5 - 1.0 ppb.

⁸ Laboratory report indicates uncategorized compounds are not included in gasoline concentration.

⁹ Laboratory report indicates gasoline + unidentified hydrocarbons > C8.

¹⁰ Laboratory report indicates unidentified hydrocarbons > C12.

¹¹ Laboratory report indicates sample diluted due to foaming.



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 a MMC flexi-dip 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**

Chevron Facility # 9-0504
 Address: 15900 Hesperian Blvd.
 City: San Lorenzo, CA

Job#: 5259.80
 Date: 9.29.97
 Sampler: E. Cline

Well ID: C-9
 Well Diameter: 2" 3" in.
 Total Depth: 241 ft.
 Depth to Water: 11.61 ft.

Well Condition: OK

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

12.39 x VF 0.17 = 2.1 x 3 (case volume) = Estimated Purge Volume: 0.3 (gal.)

Purge Equipment: Stack
 Disposable Bailer
 Suction
 Grundfos
 Other: _____

Sampling Equipment: Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 1102
 Sampling Time: 1110
 Purging Flow Rate: 1.1 gpm.
 Did well de-water? No

Weather Conditions: Clear Hot
 Water Color: Clear Odor: None
 Sediment Description: Na
 If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1104</u>	<u>2.2</u>	<u>7.90</u>	<u>220</u>	<u>19.3</u>			
<u>1106</u>	<u>4.4</u>	<u>7.85</u>	<u>220</u>	<u>18.1</u>			
<u>1108</u>	<u>6.6</u>	<u>7.86</u>	<u>220</u>	<u>18.1</u>			
<u>1110</u>	<u>7.0</u>	<u>7.85</u>	<u>220</u>	<u>18.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-9</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEI/GTEL</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Chevron Facility # 9-0504
 Address: 15900 Hesperian Blvd.
 City: San Lorenzo, CA

Job#: 5259.80
 Date: 9-29-97
 Sampler: F.Cline

Well ID: C-10 Well Condition: Okay
 Well Diameter: 2" 3" in. Hydrocarbon Amount Bailed
 Thickness: _____ in. (product/water): _____ (gal.)
 Total Depth: 241 ft.
 Depth to Water: 9.82 ft.

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

14.18 x VF 0.17 2.4 X 3 (case volume) = Estimated Purge Volume: 2.2 (gal.)

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

Starting Time: 1114 Weather Conditions: Clear fog
 Sampling Time: 1122 Water Color: Clear Odor: None
 Purging Flow Rate: 1.2 gpm. Sediment Description: _____
 Did well de-water? NR If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ hos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1116</u>	<u>2.4</u>	<u>6.94</u>	200 <u>200</u>	<u>22.3</u>			
<u>1118</u>	<u>4.8</u>	<u>6.89</u>	<u>201</u>	<u>22.1</u>			
<u>1120</u>	<u>7.2</u>	<u>6.78</u>	<u>220</u>	<u>22.1</u>			
<u>1122</u>	<u>8.0</u>	<u>6.89</u>	<u>208</u>	<u>22.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-10</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEI/GTEL</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Chevron Facility # 9-0504

Job#: 5259.80

Address: 15900 Hesperian Blvd.

Date: 7-29-97

City: San Lorenzo, CA

Sampler: E. Cline

Well ID C-17

Well Condition: okay

Well Diameter 2" 3" in.

Hydrocarbon Thickness: ✓ in. Amount Bailed (product/water): _____ (gal.)

Total Depth 241 ft.

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

Depth to Water 9.67 ft.

14.33 X VF 0.17 2.4 X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 11:23

Weather Conditions: clear HOT

Sampling Time: 11:31

Water Color: clear Odor: None

Purging Flow Rate: 1.3 gpm.

Sediment Description: None

Did well de-water? MC

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ hos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:25</u>	<u>2.8</u>	<u>7.03</u>	<u>223</u>	<u>21.2</u>			
<u>11:27</u>	<u>5.2</u>	<u>7.05</u>	<u>203</u>	<u>21.1</u>			
<u>11:29</u>	<u>7.8</u>	<u>7.07</u>	<u>223</u>	<u>21.1</u>			
<u>11:31</u>	<u>8.0</u>	<u>7.04</u>	<u>224</u>	<u>21.1</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-17</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEI/GTEL</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____



NEI/GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Midwest Region

4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

October 7, 1997

Deanna Harding
GETTLER-RYAN
6747 Sierra Ct.
Suite J
Dublin, CA 94568

RE: NEI/GTEL Client ID:	GTR01CHV08
Login Number:	W7100044
Project ID (number):	5259
Project ID (name):	CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 10/02/97.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 2147.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
 Login Number: W7100044
 Project ID (number): 5259
 Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

Method: EPA 8020A
 Matrix: Aqueous

NEI/GTEL Sample Number	W7100044-01	W7100044-02	W7100044-03	W7100044-04
Client ID	TB-LB	C-9	C-10	C-11
Date Sampled		09/29/97	09/29/97	09/29/97
Date Analyzed	10/04/97	10/04/97	10/04/97	10/04/97
Dilution Factor	1.00	1.00	5.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	< 5.0	< 25	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 2.5	0.7
Toluene	0.5	ug/L	< 0.5	< 0.5	< 2.5	0.8
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 2.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 2.5	0.6
BTEX (total)	--	ug/L	--	--	--	2.1
TPH as Gasoline	50	ug/L	< 50	< 50	< 250	< 50

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

W7100044-03:

The sample was diluted due to foaming.

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7100044

Volatile Organics

Project ID (number): 5259

Method: EPA 8020A

Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	X	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7100044

Volatile Organics

Project ID (number): 5259

Method: EPA 8020A

Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
100497GC14-1	CVI004972014	Calibration Verifi	103.
100497GC14-4	BW10049714R1	Method Blank Water	98.7
100497GC14-6	MS10004203	Matrix Spike	103.
100497GC14-7	DP10004402	Duplicate	97.6
--	10004401	TB-LB	95.6
--	10004402	C-9	96.8
--	10004403	C-10	94.6
--	10004404	C-11	97.3

Notes:

*: Indicates values outside of acceptability limits. See Sample Report.

Project ID (Number): 5259
Project ID (Name): Chevron SS #9-0504
15900 Hesperian Blvd
San Lorenzo, CA
Work Order Number: W7-09-0044
Date Reported: 10-07-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 04-OCT-97 QC Batch No: 100497GC14-4

Analyte	Concentration, ug/L
MTBE	<0.5
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylene (total)	<0.5
TPH as Gasoline	<50

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7100044
Project ID (number): 5259
Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:100497GC14-1		
Benzene	20.0	20.3	102.	77-123%
Toluene	20.0	20.1	101.	77.5-122.5%
Ethylbenzene	20.0	22.3	112.	63-137%
Xylenes (Total)	60.0	63.8	106.	85-115%
TPH as Gasoline	500	433	86.6	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08
 Login Number: W7100044
 Project ID (number): 5259
 Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

QUALITY CONTROL RESULTS

Volatile Organics
 Method: EPA 8020A
 Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7100042-03		MS ID:MS10004203			
Analysis Date: 04-OCT-97		04-OCT-97			
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.140)	20.0	20.9	104.	67-110
Toluene	< 0.5 (0.000)	20.0	20.8	104.	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	23.4	117.	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	66.7	111.	62-119

Notes:

Values in parentheses in the sample concentration column are used for % recovery calculations.