Chevron

February 26, 1997

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

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

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

Dear Ms. Shin:

Enclosed is the Third and Fourth Quarter Groundwater Monitoring Reports for 1996, that were 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. I am also enclosing a copy of the Utility Trench Survey that was also prepared by Gettler-Ryan.

The results of sampling from monitoring wells C-6, C-9, C-10 and C-11 continue to be below method detection limits for all constituents, in both quarters. Well C-3 was below method detection limits for the benzene constituent in both quarters. The benzene constituents have decreased in monitoring wells C-1, C-2, C-7 and C-8 from the second to the fourth quarters. Monitoring wells C-4 and C-5 showed a minimal impact from the benzene constituent in the fourth quarter. It appears that natural attenuation is occurring at this site because of the low concentrations of BTEX constituents.

In the third quarter, depth to ground water varied from 9.07 feet to 13.47 feet below grade, with direction of flow to the southwest. In the fourth quarter, depth to ground water varied from 7.13 to 11.0 feet below grade, with direction of flow to the southwest.

The Utility Trench Survey shows sewer, water, telephone, electrical and storm drains located on the both sides of Hesperian Blvd., with a gas line located only on the north side of Hesperian. The approximate depth of the utility lines is noted on the survey; the consultant was not able to get the exact depths from the utility companies. There was no information on the backfill used around the utility lines, native soil may have been used. The lowest depth of the utility lines is the sewer line, from 5-7 feet, while the only well that had a reading below 7 feet was in C-11 at 6.90 feet. The majority of the depth to ground water readings from the sampling events, have been from 9 to 12 feet, therefore, it does not appear that the utility lines would be conduits for migration of dissolved hydrocarbons.

Chevron will sample monitoring wells C-4, C-5 and C-6 annually, starting in March; and wells C-9, C-10 and C-11 will be sampled semi-annually, in March and September. The remaining wells will be sampled quarterly as noted in your letter of January 21, 1997. If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

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.

February 7, 1997

Job #5259.80

Mr. Phillip Briggs
Chevron Products Company
P.O. Box 5004
San Ramon, CA 94583

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

Dear Mr. Briggs:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On January 3, 1997, field personnel were on-site to monitor and sample eleven wells (C-1 through C-11) at Chevron Service Station #9-0504 located at 15900 Hesperian Boulevard in San Lorenzo, California.

Static groundwater levels were measured on January 3, 1997. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site 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,

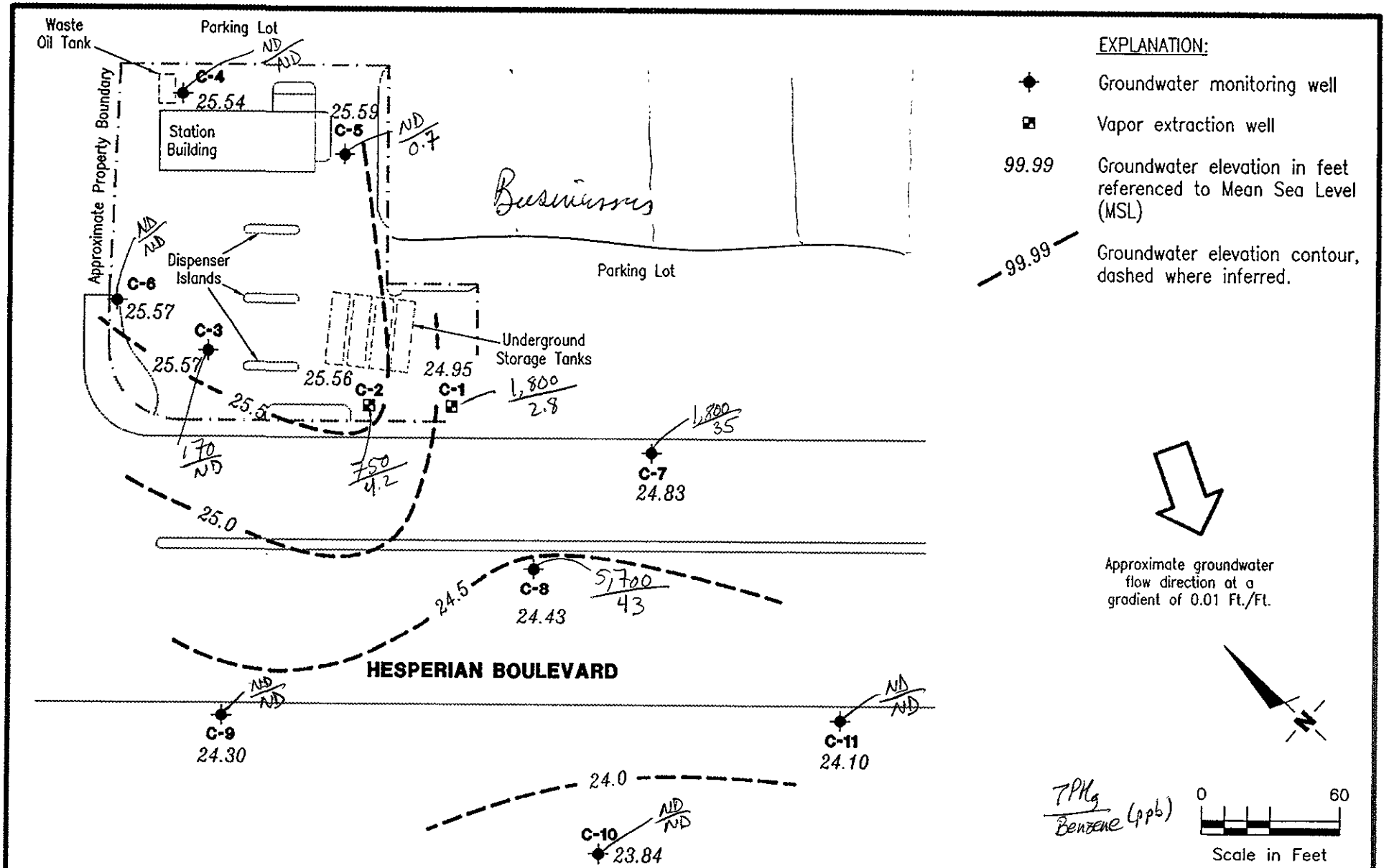
Deanna L. Harding
Project Coordinator

Penny L. Silzer
Senior Geologist, R.G. No. 5523

REGISTERED GEOLOGIST
Penny L. Silzer
No. 5523
STATE OF CALIFORNIA

DLH/PLS/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	REVIEWED BY	DATE	REVISED DATE
5259	PLS	January 3, 1997	

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
					<			ppb				>
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[1]	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	—	—
	1/03/97	**7.85**	**24.95**	**0**	**1,800**	**2.8**	**<0.5**	**51**	**41**	**110**	**—**	**—**
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[1]	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	—	—	—	—	—	—	—	—
33.46	10/27/93	12.36	21.10	0	1,600	63	5.8	5.9	190	—	—	—
	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]	—	—	—	—	—	—	—	—	—	—	—
	12/14/94[4]	—	—	—	—	—	—	—	—	—	—	—
	3/30/95	7.69	25.77	0	1,400	17	5.4	52	240	—	—	—

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-2	6/30/95	9.90	23.56	0	730	22	2.6	50	240	—	—	—
(cont)	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	—	—
	1/03/97	**7.90**	**25.56**	**0**	**750**	**4.2**	**<0.5**	**29**	**120**	**51**	**—**	**—**
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]	9/7/90	15.31	20.15	0	490	6.0	<0.5	41	120	—	—	—
(d)	9/7/90	—	—	0	460	6.0	<0.5	40	110	—	—	—
	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	—	—
	1/03/97	**9.89**	**25.57**	**0**	**170**	**<0.5**	**1.2**	**4.5**	**15**	**15**	**—**	**—**
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	—	—	—

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-4	3/6/91	13.54	22.24	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
(cont)	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	0.6	<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	—	—
	1/03/97	**9.69**	**25.54**	**0**	**<50**	**1.5**	**7.2**	**1.3**	**6.2**	**<5.0**	**—**	**—**
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	—	—	—
	7/28/93	11.81	23.50	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
34.61	10/27/93	12.68	21.93	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
	3/31/94	11.00[5]	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[5]	13.10	21.51	0	<2,500	<25	<25	<25	<25	—	—	—
	11/9/94[6]	—	—	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—

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)	B	T	E	X	MTBE	C	HVOCs
					<———			ppb				———>
C-5 (cont)	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	—	—
	1/03/97	**9.02**	**25.59**	**0**	**<50**	**0.7**	**3.2**	**<0.5**	**2.2**	**<5.0**	—	—
C-6	12/8/89	—	—	0	<500	<0.5	<0.5	<0.5	<0.5	—	—	—
36.89[2]	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	—	—	—
36.57	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[5]	14.88	21.69	0	<2,500	<25	<25	<25	<25	—	—	—
	11/9/94[6]	—	—	0	<50	<0.5	0.5	<0.5	<0.5	—	—	—
	12/14/94	12.99	23.58	0	<50	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[10]	<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	—	—
	1/03/97	**11.00**	**25.57**	**0**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	—	—
C-7	12/8/89	—	—	0	1,700	32	12	17	150	—	—	—
32.75[2]	9/7/90	13.02	19.73	0	880	84	23	46	180	—	—	—
	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	—	—	—

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-7	1/27/92	11.43	21.32	0	12,000	170	40	420	830	—	—	—
(cont)	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	—	—	—
32.32	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	—	—
	1/03/97	**7.49**	**24.83**	**0**	**1,800**	**35**	**<0.5**	**34**	**72**	**15**	—	—
C-8	12/8/89	—	—	0	4,800	62	11	95	180	—	—	—
33.82[2]	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	—	—	—
	5/3/93	9.75	24.07	0	11,000	75	96	880	2,600	—	—	—
	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[6]	—	—	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	—	—

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-8 (cont)	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	—	—
	1/03/97	**8.82**	**24.43**	**0**	**5,700**	**43**	**9.3**	**110**	**95**	**17**	—	—
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	<0.5	—	—	—
	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	<1.5	—	—	—
	6/8/94	10.53	22.44	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
	9/29/94[5]	12.40	20.57	0	<5,000	<50	<50	<50	<50	—	—	—
	11/9/94[6]	—	—	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	—	—	—
	3/8/96	8.20	24.77	0	<50	<0.5	<0.5	<0.5	<0.5	<0.5	—	—
	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	—	—
	1/03/97	**8.67**	**24.30**	**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	—	—	—
	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	—	—	—
(d)	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	—	—	—

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-10 (cont)	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[5]	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	—	—
	1/03/97	**7.32**	**23.84**	**0**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**—**	**—**
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	—	—	—
	7/28/93	9.31	22.27	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
31.23	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	—	—
	1/03/97	**7.13**	**24.10**	**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				—>
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	—	—
	1/03/97	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	—
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 Servcies.

* 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.

5259.TQM

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.

7.48 gallons per ft3 10

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-1 Well Condition dry

Well Location Description

Well Diameter ~~2~~ -3" in Hydrocarbon Thickness 0

Total Depth 19 ft

Depth to Liquid 7.85 ft

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

for gallons

# of casing Volume 3 x 11.15 ft x ~~0.17~~ 0.38 x(VF) 1.17 #Estimated purge Volume 12.7 ~~gal.~~ 4.2 ft3

Purge Equipment Stack Sampling Equipment D. Baker

Did well dewater ____ If yes, Time ____ Volume ____

Starting Time 1024 Purging Flow Rate 1.5 gpm.

Sampling Time ____

Time	pH	Conductivity	Temperature	Volume (ft3)
1027	7.60	256	20.0	4.5
1:30	7.51	280	20.2	9.0
1033	7.49	284 ✓	20.3 ✓	13.5
1035	7.50 ✓	288	20.4	14.5

Weather Conditions Clear

Water Color: Clear Odor: Mild

Sediment Description Slight

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-1	3x40ml VOA	Y	HCl	CTEL	6020 BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-2 Well Condition Okay

Well Location Description

Well Diameter ~~2~~ 3" in Hydrocarbon Thickness 0

Total Depth 20 ft

Depth to Liquid 7.90 ft

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

# of casing Volume 3 X 12.10 x ~~0.17~~ 0.38 x(VF) 4.6 #Estimated purge Volume 13.8 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater N/C If yes, Time ___ Volume ___

Starting Time 1042 Purging Flow Rate 1.5 gpm.

Sampling Time 1053

Time	pH	Conductivity	Temperature	Volume
1045	7.70	143	18.8	4.5
1048	7.50	161	17.9	9.0
1051	7.53	180	17.8 ✓	13.5
1053	7.52 ✓	174 ✓	17.8 ✓	14.0

Weather Conditions Clear

Water Color: Black / Grey

Odor: Mild

Sediment Description Light Bottom

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-2	3x40ml VOA	Y	HCl	CTEL	GAS/BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline, Clyde Galentine DATE: 1-3-97

ADDRESS: 15900 Hesperian Blvd JOB #: 5259.85

CITY: San Lorenzo SS#: 9-0504

Well ID: C-3 Well Condition: okay

Well Location Description:

Well Diameter: ~~2~~ 3" in Hydrocarbon Thickness: 0

Total Depth: 19 ft

Depth to Liquid: 9.89 ft

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

# of casing Volume: 3 X 9.11 x ~~0.17~~ 0.38 x(VF) 3.46 #Estimated purge Volume: 1014 gal.

Purge Equipment: Stack Sampling Equipment: D. Baluv

Did well dewater: N/C If yes, Time: ____ Volume: ____

Starting Time: 1006 Purging Flow Rate: 1.2 gpm.

Sampling Time: 1017

Time	pH	Conductivity	Temperature	Volume
1009	7.42	405	20.2	36
1012	7.36	407	20.8	72
1015	7.31	401	20.7	108
1017	7.30	403	20.8	110

Weather Conditions: Clear Breezy

Water Color: Clear Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-3	3x40ml VOA	Y	HCl	CTEL	6015 BTEX MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER Ed Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-4 Well Condition Okay

Well Location Description

Well Diameter ~~2~~ 3" in Hydrocarbon Thickness 0

Total Depth 20 ft

Depth to Liquid 9.69 ft

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

# of casing Volume 3 X 10.31 x ~~0.17~~ 0.38 x(VF) 3.9 #Estimated purge Volume 11.7 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 9:50 Purging Flow Rate 1.8 gpm.

Sampling Time 10:02

Time	pH	Conductivity	Temperature	Volume
953	7.46	480	21.7	3.9
956	7.36	465	22.0	
954	7.40	456 ✓	~~21.4~~ 21.8 ✓	
1002	7.38 ✓	456 ✓	22.0 ✓	

Weather Conditions Clear Breeze

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-4	3x40ml VOA	Y	HCl	CTEL	GAS/BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-5 Well Condition Okay

Well Location Description

Well Diameter ~~3~~ 3" in Hydrocarbon Thickness 0

Total Depth 15 ft

Depth to Liquid 9.02 ft

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

# of casing Volume 3 X 5.98 x ~~0.17~~ 0.38 x(VF) 2.3 #Estimated purge Volume 6.8 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater N/C If yes, Time ___ Volume ___

Starting Time 9:01 Purging Flow Rate 1.2 gpm.

Sampling Time 9:09

Time	pH	Conductivity	Temperature	Volume
903	7.10	460	18.3	2.4
904	7.50	466	16.3	4.8
907	7.47	463	17.0	7.2
909	7.49	460	16.8	8.6

Weather Conditions Clear

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-5	3x40ml VOA	Y	HCl	CTEL	6015 BTEX MTBE

Comments

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-6 Well Condition OK

Well Location Description

Well Diameter 2" ~~3"~~ in Hydrocarbon Thickness

Total Depth 23 ft

Depth to Liquid 11.00 ft

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

# of casing Volume 3 x 12.00 x 0.17 / ~~0.38~~ x(VF) 2.04 #Estimated purge Volume 7 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater No If yes, Time ____ Volume ____

Starting Time 11:24 Purging Flow Rate ____ gpm.

Sampling Time 11:33

Time	pH	Conductivity	Temperature	Volume
11:24	5.90	1205	20.9	2
11:26	6.10	1244	22.8	~~4~~
11:27	6.23	1253	22.5	6
11:28	6.38 ✓	1245 ✓	22.8 ✓	8
11:33	6.73	1215	21.6	Sample

Weather Conditions Clear, Breezy

Water Color: Clear Odor: —

Sediment Description ____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-6	3x40ml VOA	Y	HCl	CTEL	6020 BTEX MTBE

Comments ____

WELL SAMPLING FIELD DATA SHEET

SAMPLER Ed Cline Clyde Galpin DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-7 Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 24 ft

Depth to Liquid 7.49 ft

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

# of casing Volume 3 X 16.51 x 0.17 x(VF) 2.8 #Estimated purge Volume 8.4 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater NC If yes, Time ___ Volume ___

Starting Time 11:14 Purging Flow Rate 1.5 gpm.

Sampling Time 1122

Time	pH	Conductivity	Temperature	Volume
11:16	7.17	327	20.5	3
11 18	7.21	345	20.8	6
11 20	7.20	350	21.0	9
1122	7.20	348	20.8	10

Weather Conditions Clear Breeze

Water Color: Clear Odor: Mild

Sediment Description N/A

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-7	3x40ml VOA	Y	HCL	CTEL	6015 BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Ed Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-8 Well Condition O'gy

Well Location Description

Well Diameter 2" ~~4"~~ in Hydrocarbon Thickness

Total Depth 24 ft

Depth to Liquid 8.82 ft

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

# of casing Volume 3 X 15.18 x 0.17/~~0.38~~ x(VF) 1.6 #Estimated purge Volume 7.7 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater N/C If yes, Time ___ Volume

Starting Time 1102 Purging Flow Rate 1.3 gpm.

Sampling Time 1110

Time	pH	Conductivity	Temperature	Volume
1104	7.16	306	21.1	2.6
1106	7.18	~~335~~	20.0	5.2
1108	7.18	333	20.9	7.8
1110	7.17	333	20.3	8.0

Weather Conditions Clear Breeze

Water Color: Clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-8	3x40ml VOA	Y	HCL	CTEL	602/8015/MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-9 Well Condition OK

Well Location Description

Well Diameter 2" ~~4~~" in Hydrocarbon Thickness

Total Depth 24 ft

Depth to Liquid 8.67 ft

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

# of casing Volume 3 x 15.33 x 0.17 / ~~0.38~~ x(VF) #Estimated purge Volume 8 gal. 2.6

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 10:57 Purging Flow Rate ~2 gpm.

Sampling Time 11:10

Time	pH	Conductivity	Temperature	Volume
10:57	7.01	215	18.2	/
10:58	7.02	195	18.5	3.5
10:59	7.12	194	18.4	6
11:00	7.19 ✓	194 ✓	17.8 ✓	8
11:10	7.19	195	17.4	

Weather Conditions Clear, breezy

Water Color: Clear Odor: —

Sediment Description —

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-9	3x40ml VOA	Y	HCl	CTEL	GAS BTEX MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galentine DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-10 Well Condition OK - see comments

Well Location Description

Well Diameter 2" ~~3~~" in Hydrocarbon Thickness

Total Depth 24 ft

Depth to Liquid 7.32 ft

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

# of casing Volume 3 X 16.68 x 0.17 / ~~0.38~~ x(VF) 2.84 #Estimated purge Volume 9 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 10:28 Purging Flow Rate ~2 gpm.

Sampling Time 10:37

Time	pH	Conductivity	Temperature	Volume
10:28	6.78	960	21.3	1
10:29	6.76	966	21.6	3.5
10:30	6.77	964	21.3	6
10:31	6.74	962	21.0	9
10:37	6.79	735	20.2	Sample

Weather Conditions clear breezy

Water Color: clear Odor: —

Sediment Description —

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-10	3x40ml VOA	Y	HCl	CTEL	6015/8021 MTBE

Comments Casing joint loose in concrete — H_2O bubbling when attempting to remove lock — new lock put on

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fa Cline Clyde Galpin DATE 1-3-97

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo SS# 9-0504

Well ID C-11 Well Condition OK

Well Location Description ~~C-11~~

Well Diameter 2" ~~8"~~ in Hydrocarbon Thickness

Total Depth 24 ft

Depth to Liquid 7.13 ft

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

# of casing Volume 3 X 16.87 x 0.17 / ~~0.38~~ x(VF) 2.9 #Estimated purge Volume 9 gal.

Purge Equipment Stack Sampling Equipment D. Bailer

Did well dewater ____ If yes, Time ____ Volume ____

Starting Time 10:04 Purging Flow Rate ~2 gpm.

Sampling Time 10:14

Time	pH	Conductivity	Temperature	Volume
10:04	6.83	765	21.0	1
10:06	6.75	905	24.5	5
10:09	6.74	920	22.1	9
10:14	6.70	735	22.4	Sample

Weather Conditions Clear breezy

Water Color: clear Odor: ____

Sediment Description —

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-11	3x40ml VOA	Y	HCl	CTEL	6015 BTEX MTBE

Comments ____

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

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number #9-0504
Facility Address 15900 Hesperian Blvd., San Lorenzo, CA
Consultant Project Number 5259
Consultant Name Gettler-Ryan
Address 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name) Deanna Harding
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) Mr. Phil Briggs
(Phone) (510) 842-9136
Laboratory Name NEI/GTEL Service Code ZZC2790
Laboratory Service Order # 9033197
Samples Collected by (Name) Clyde Galantine
Collection Date 1/3/97
Signature Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX w/MTBE (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
C-11	1	3	W	G	10:14		Y	X													DO NOT BILL TB-LB ANALYSIS
C-10	2				10:37			X													
C-9	3				11:10			X													
C-5	4				9:09			X													
C-4	5				10:02			X													
C-6	6				11:33			X													
C-3	7				1017			X													
C-1	8				10:35			X													
C-2	9				10:53			X													
C-8	10				11:10			X													
C-7	11				11:22			X													
TB-LB	12	2						X													

(Lab sample numbers annotated: 7010068 / 3)

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	G-R Inc.	1/3/97 2045	D. Harding	G-R Inc.	1/6/97 8:00
D. Harding	G-R Inc.	1/6/97 1505	John Weeks	NEI/GTEL	1/6/97 1505
John Weeks	NEI/GTEL	1/6/97	Received For Laboratory By (Signature): no seals 3°C Z Awan		1/7 8 45

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

503 542 7655

COC-3.DWG/03 91/mch

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

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

January 15, 1997

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

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7010068
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 01/07/97.

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 1845.

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.

Justin Ward, Project Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7010068
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	W7010068-01	W7010068-02	W7010068-03	W7010068-04
Client ID	C-11	C-10	C-9	C-5
Date Sampled	01/03/97	01/03/97	01/03/97	01/03/97
Date Analyzed	01/10/97	01/10/97	01/10/97	01/10/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	0.7
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	3.2
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	2.2
BTEX (total)	--	ug/L	--	--	--	6.1
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	< 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.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7010068
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	W7010068-05	W7010068-06	W7010068-07	W7010068-08
Client ID	C-4	C-6	C-3	C-1
Date Sampled	01/03/97	01/03/97	01/03/97	01/03/97
Date Analyzed	01/10/97	01/10/97	01/11/97	01/11/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	15.	110
Benzene	0.5	ug/L	1.5	< 0.5	< 0.5	2.8
Toluene	0.5	ug/L	7.2	< 0.5	1.2	< 0.5
Ethylbenzene	0.5	ug/L	1.3	< 0.5	4.5	51.
Xylenes (total)	0.5	ug/L	6.2	< 0.5	15.	41.
BTEX (total)	--	ug/L	16.	--	21.	95.
TPH as Gasoline	50	ug/L	< 50	< 50	170	1800

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.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7010068
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	W7010068-09	W7010068-10	W7010068-11	W7010068-12
Client ID	C-2	C-8	C-7	TB-LB
Date Sampled	01/03/97	01/03/97	01/03/97	
Date Analyzed	01/11/97	01/11/97	01/11/97	01/10/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	51.	17.	15.	< 5.0
Benzene	0.5	ug/L	4.2	43.	35.	< 0.5
Toluene	0.5	ug/L	< 0.5	9.3	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	29.	110	34.	< 0.5
Xylenes (total)	0.5	ug/L	120	95.	72.	< 0.5
BTEX (total)	--	ug/L	150	260	140	--
TPH as Gasoline	50	ug/L	750	5700	1800	< 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.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010068 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: W7010068
Project ID (number): 5259
Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
011097GC10-10	MS01006802	Matrix Spike	75.6
011097GC10-2	BW0110971OR1	Method Blank Water	77.8
011097GC10-5	CV0110972010	Calibration Verifi	76.2
011097GC10-8	DP01004804	Duplicate	126.
--	01006801	C-11	72.2
--	01006802	C-10	72.0
--	01006803	C-9	71.6
--	01006804	C-5	72.1
--	01006805	C-4	72.0
--	01006806	C-6	72.3
--	01006807	C-3	73.0
--	01006808	C-1	82.3
--	01006809	C-2	77.4
--	01006810	C-8	132.
--	01006811	C-7	87.1
--	01006812	TB-LB	73.6

Notes:
*: Indicates values outside of acceptability limits. See Nonconformance Summary.

Project ID (Number): 5259
Project ID (Name): Chevron SS #9-0504
15900 Hisperian Blvd.
San Lorenzo, CA
Work Order Number: W7-01-0068
Date Reported: 01-14-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 10-Jan-97 QC Batch No: 011097GC10-2

Analyte	Concentration, ug/L
MTBE	<5.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylene (total)	<0.5
TPH as Gasoline	<50

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010068 Volatile Organics
Project ID (number): 5259 Method: EPA 8020A
Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA 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:011097GC10-5			
Benzene		20.0	19.3	96.5	77-123%
Toluene		20.0	18.1	90.5	77.5-122.5%
Ethylbenzene		20.0	17.6	88.0	63-137%
Xylenes (Total)		60.0	55.1	91.8	85-115%
TPH as Gasoline		500.	494.	98.8	80-120%

Notes:
QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010068 Volatile Organics
Project ID (number): 5259 Method: EPA 8020A
Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 011097GC10-8	GTEL Sample ID: W7010048-04		Client ID: Batch QC
Benzene	166.	155.	6.85	23.9
Toluene	293.	261.	11.6	27.2
Ethylbenzene	1950	1850	5.26	21.6
Xylenes (Total)	3030	2870	5.42	22.0
TPH as Gasoline	224000	195000	13.8	20

Notes:
NA - The concentration of the analyte is less than the reporting limit.

NEI/GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010068 Volatile Organics
Project ID (number): 5259 Method: EPA 8020A
Project ID (name): CHEVRON/9-0504/15900 HESPERIAN BLVD/SAN LORENZO/CA Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7010068-02 MS ID:MS01006802
Analysis Date: 10-JAN-97 10-JAN-97

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	19.2	96.0	67-110
Toluene	< 0.5 (0.000)	20.0	17.6	88.0	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	17.3	86.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	53.8	89.7	62-119

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