GETTLER-RYAN INC.

January 15, 1996 Job #5259.80

Mr. Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-0504
115900 Hesperian Boulevard
San Lorenzo, California

Dear Mr. Miller:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On December 11, 1995, field personnel were on-site to monitor and sample eleven wells (C-1 through C-11) at Chevron Service Station #9-0504 located at 115900 Hesperian Boulevard in San Lorenzo, California.

Static groundwater levels were measured on December 11, 1995. 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 - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by 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 to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Greg A. Gurss
Project Manager

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

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

GAG/PLS/dlh
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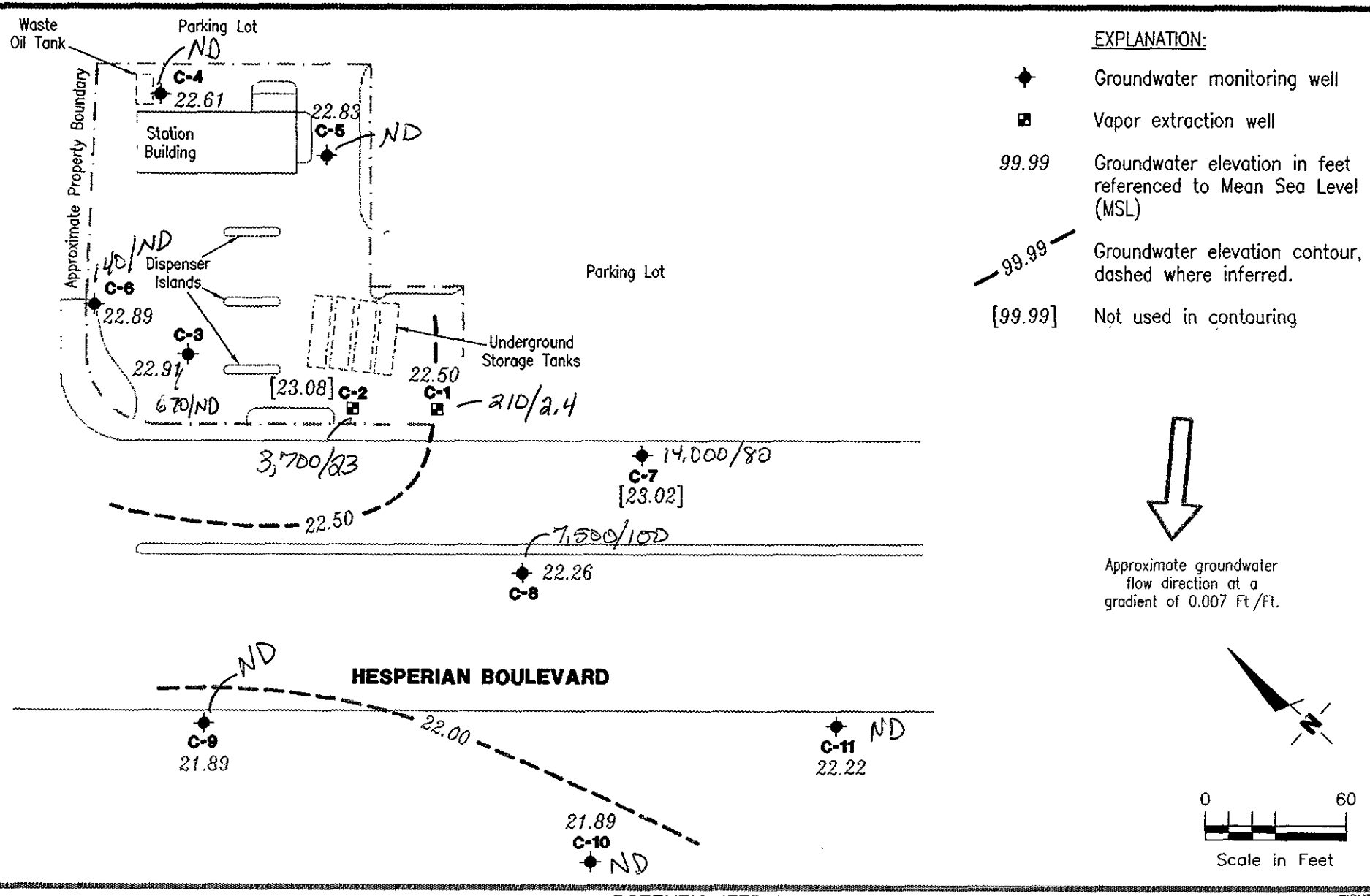
Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



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
5259.80	PLS	December 11, 1995	

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[5]	0.7	<0.5	3.3	3.5	—	—	—
	12/11/95	**10.30**	**22.50**	**0**	**210**	**2.4**	**<0.50**	**43**	**85**	**79**	—	—
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	—	—	—
	6/30/95	9.90	23.56	0	730	22	2.6	50	240	—	—	—
	9/22/95	10.61	22.85	0	2,100[5]	66	7.3	140	550	—	—	—
	12/11/95	**10.38**	**23.08**	**0**	**3,700**	**23**	**<0.50**	**68**	**300**	**1,000**	—	—

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-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]**	**<0.50**	**<0.50**	**7.0**	**13**	**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	—	—	—
	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	—	—	—

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(cont)	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**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**
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[3]	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	—	—	—
	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**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**
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	—	—	—

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-6	9/26/91	16.82	20.07	0	<50	<0.5	<0.5	<0.5	<0.5	—	—	—
(cont)	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]**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**
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	—	—	—
	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	—	—	—
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**	**—**	**—**

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	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**	**<0.50**	**160**	**120**	**130**	—	—
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[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	—	—	—

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	12/14/94	10.49	22.48	0	69	1.1	2.2	3.4	7.8	—	—	—
(cont)	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**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**
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	—	—	—
	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**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**—**	**—**
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	—	—	—

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-11	5/3/93	7.95	23.63	0	<50	<0.5	<0.5	<0.5	<1.5	—	—	—
(cont)	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**	**<0.50**	**<0.50**	**<0.50**	**1.1**	**1.1**	**—**	**—**
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**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**		
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:

DTW = Depth to water
TOC = Top of casing elevation
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-teritary-butyl ether
C = Chloroform
HVOC = Halogenated Volatile Organic Compounds
DTSC = Department of Toxic Substances Control
MCLs = Maximum Contaminant Level
NE = Not established
ppb = Parts per billion
— = Not available/not applicable

ANALYTICAL METHODS:

TPH(G) = EPA Method 8015/5030
BTEX = EPA Method 8020
MTBE = Methyl-teritary-butyl ether
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 thichness 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
QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan 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 pevention 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 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 analytic 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, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery 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 USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline
DATE 12-11-95
ADDRESS 15900 Hesperian Blvd
CITY San Lorenzo CA
JOB # 5259.85
SS# 9-0504

Well ID C-1
Well Condition okay
Well Location Description DHE
Well Diameter 2" (3") in
Hydrocarbon Thickness 0
Total Depth 18.9 ft
Depth to Liquid 10.30 ft

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

# of casing Volume 3X 8.6 x 0.17 - (0.38) x(VF) 3.3 #Estimated purge Volume 9.9 gal.

Purge Equipment Suction
Sampling Equipment Bailer
Did well dewater No
If yes, Time ____ Volume ____

Starting Time 12:55
Sampling Time 1301
Purging Flow Rate 3.4 gpm.

Time	pH	Conductivity	Temperature	Volume
12:56	7.32	500	19.1	3.4
1257	7.00	558	20.6	6.8
1258	6.96	556	20.7	10.2
1301	6.98	557	20.6	11.0

Weather Conditions Raining
Water Color: None Clear
Sediment Description None
Odor: Mild

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-1	3x40ml VOA	Y	HCl	CTEL	Gas BTXE

Comments

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd | JOB #: 5259.85

CITY: San Lorenzo CA | SS#: 9-0504

Well ID: C-2 | Well Condition: dry

Well Location Description:

Well Diameter: 2" (3") in | Hydrocarbon Thickness: 0

Total Depth: 20.0 ft

Depth to Liquid: 10.38 ft

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

# of casing Volume: 3X 9.62 x 0.17 - 0.38 x(VF) 3.65 #Estimated purge Volume: 10.95 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: | Volume:

Starting Time: 13:18 | Purging Flow Rate: 2 gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
13:19	7.84	165	15.6	4
13:21	7.40	394	15.6	8
13:23	7.38	396	15.7	12
13:26	7.34	392	15.6	13

Weather Conditions: Raining

Water Color: Black / grey | Odor: Mild

Sediment Description: Bacteria

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-2	3x40ml VOA	Y	HCl	CTEL	Gas BTXE

Comments:

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd | JOB #: 5259.85

CITY: San Lorenzo CA | SS#: 9-0504

Well ID: C-3 | Well Condition: okay

Well Location Description:

Well Diameter: 2" - (3") in | Hydrocarbon Thickness: 0

Total Depth: 19.0 ft

Depth to Liquid: 12.55 ft

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

# of casing Volume: 3X 6.45 x (6.45 - 6.38) x(VF) 2.43 #Estimated purge Volume: 7.2 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NO | If yes, Time: ___ | Volume:

Starting Time: 12:44 | Purging Flow Rate: 2.6 gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
12:45	7.20	694	19.4	2.6
12:46	7.10	709	19.5	5.2
12:47	7.11	~~705~~ 708	19.6	7.8
12:50	7.10	708	19.5	8.5

Weather Conditions: Raining

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	Conv BTXE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd | JOB #: 5259.85

CITY: San Lorenzo CA | SS#: 9-0504

Well ID: C-4 | Well Condition: okay

Well Location Description:

Well Diameter: 2" - (3") in | Hydrocarbon Thickness: 0

Total Depth: 19.75 ft

Depth to Liquid: 12.62 ft

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

# of casing Volume: 3X 7.13 × (0.17 - 0.38) x(VF) 2.7 #Estimated purge Volume: 8.1 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: NC | If yes, Time: | Volume:

Starting Time: 12:25 | Purging Flow Rate: 2.8 gpm.

Sampling Time: 12:31

Time	pH	Conductivity	Temperature	Volume
12:26	7.22	725	20.3	2.8
12:27	7.10	741	20.6	5.6
12:28	7.08	743 743	20.5	8.4
12:31	7.09	741	20.6	9.6

Weather Conditions: Raining

Water Color: Clear | Odor: None

Sediment Description: NA

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-4	3x40ml VOA	Y	HCL	CTEL	Gas BTXE MTBE

Comments:

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd | JOB #: 5259.85

CITY: San Lorenzo CA | SS#: 9-0504

Well ID: C-5 | Well Condition: OKay

Well Location Description:

Well Diameter: 2" (3") in | Hydrocarbon Thickness: 0

Total Depth: 18.5 ft

Depth to Liquid: 11.78 ft

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

# of casing Volume: 3X 6.72 x 0.17 - 0.38 x(VF) 2.35 #Estimated purge Volume: 7.66 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: N/A | If yes, Time: ___ | Volume:

Starting Time: 12:12 | Purging Flow Rate: 2.6 gpm.

Sampling Time: 1218

Time	pH	Conductivity	Temperature	Volume
12:13	7.03	669	68.2	2
12:14	7.08	721	70.0	5.2
12:16	7.08	718	70.8	7.8
12:18	7.08	719	70.5	8

Weather Conditions: Raining

Water Color: Clear | Odor: N/a

Sediment Description: Non-

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-5	3x40ml VOA	Y	HCL	CTEL	Gas BTXE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline — DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd — JOB #: 5259.85

CITY: San Lorenzo CA — SS#: 9-0504

Well ID: C-6 — Well Condition: okay

Well Location Description:

Well Diameter: (2") - 3" in — Hydrocarbon Thickness: 0

Total Depth: 23.5 ft

Depth to Liquid: 13.68 ft

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

# of casing 3x Volume: 9.82 x (0.17) 0.38 x(VF) 1.7 #Estimated purge Volume 5.1 gal.

Purge Equipment: Suction — Sampling Equipment: Bailer

Did well dewater: No — If yes, Time ____ Volume ____

Starting Time: 12:34 — Purging Flow Rate: ____ gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
12:35	7.30	772	20.2	2
12:36	7.15	776	20.4	4
12:37	7.10	775	20.6	6
12:40	7.13		20.4	7

Weather Conditions: Raining

Water Color: Clear — Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-6	3x40ml VOA	y	HCL	GTEL	Gas BTXE MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline
DATE: 12-11-95
ADDRESS: 15900 Hesperian Blvd
JOB #: 5259.85
CITY: San Lorenzo CA
SS#: 9-0504

Well ID: C-7
Well Condition: okay
Well Location Description:
Well Diameter: (2") 3" in
Hydrocarbon Thickness: 0
Total Depth: 24.5 ft
Depth to Liquid: 9.30 ft

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

# of casing Volume: 3X 15.20 = (0.17) 0.38 x (VF) 2.6 #Estimated purge Volume: 7.8 gal.

Purge Equipment: Suction
Sampling Equipment: Bailer
Did well dewater: No
If yes, Time: ___ Volume:

Starting Time: 1307
Sampling Time: 13:13
Purging Flow Rate: 2.7 gpm.

Time	pH	Conductivity	Temperature	Volume
1308	7.20	620	18.8	2.7
1309	7.10	620	19.2	5.4
1310	7.09	622	19.4	8.1
13:13	7.11	624	19.5	9.0

Weather Conditions: Raining
Water Color: Clear
Odor: Mild
Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-7	3x40ml VOA	Y	HCL	CTEL	Cons BTXE

Comments:

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 12-11-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo CA SS# 9-0504

Well ID C-8 Well Condition Okay

Well Location Description

Well Diameter (2") 3" in Hydrocarbon Thickness 0

Total Depth 24.5 ft

Depth to Liquid 10.94 ft

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

# of casing 3x Volume 13.51 x (0.17) 0.38 x(VF) 2.3 #Estimated purge Volume 6.9 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 13:35 Purging Flow Rate 2.4 gpm.

Sampling Time 13:41

Time	pH	Conductivity	Temperature	Volume
13:36	7.03	630	19.3	2.4
13:37	6.99	643	20.1	4.8
13:38	6.96	641	20.2	7.2
13:41	6.97	642	20.1	8.0

Weather Conditions Raining

Water Color: Clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-8	3x40ml VOA	Y	HCL	GTEL	Gas BTXE

Comments

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 12-11-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo CA SS# 9-0504

Well ID C-9 Well Condition [illegible]

Well Location Description

Well Diameter (2") - 3" in Hydrocarbon Thickness 0

Total Depth 24.5 ft

Depth to Liquid 11.08 ft

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

# of casing 3X Volume 3.42 x (0.17) 0.38 x(VF) 2.3 #Estimated purge Volume 6.8 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 10:42 Purging Flow Rate ___ gpm.

Sampling Time 1048

Time	pH	Conductivity	Temperature	Volume
10:43	7.25	215	21.5	2.4
10:44	7.34	193	19.6	4.8
10:45	7.40	192	19.7	7.2
10:48	7.39	193	19.2	8.0

Weather Conditions Raining

Water Color: Clear Odor: Na

Sediment Description Na

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-9	3x40ml VOA	Y	HCL	GTEL	Gas BTXE MTBE

Comments

10

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 12-11-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY San Lorenzo CA SS# 9-0504

Well ID C-10 Well Condition Okay

Well Location Description

Well Diameter (2") 3" in Hydrocarbon Thickness 0

Total Depth 24.5 ft

Depth to Liquid 9.27 ft

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

# of casing Volume 3X 15.23 x (0.17 - 0.38) x(VF) 2.6 #Estimated purge Volume 7.8 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time ___ Volume ___

Starting Time 11:12 Purging Flow Rate 2.8 gpm.

Sampling Time 1119

Time	pH	Conductivity	Temperature	Volume
11:13	7.03	7.54	19.2	2.8
1114	6.95	6.58	19.5	5.6
1116	6.93	6.57	19.8	8.4
1119	6.95	6.58	19.7	9.6

Weather Conditions Raining

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-10	3x40ml VOA	Y	HCl	CTEL	6020 BTXE MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: F. Cline | DATE: 12-11-95

ADDRESS: 15900 Hesperian Blvd | JOB #: 5259.85

CITY: San Lorenzo CA | SS#: 9-0504

Well ID: C-10 C-11 | Well Condition: OK

Well Location Description:

Well Diameter: 2" - 3" in | Hydrocarbon Thickness: 0

Total Depth: 24.5 ft

Depth to Liquid: 9.17 ft

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

# of casing Volume: 3X 15.49 × (2.17 - 0.38) x(VF) 3.4 | #Estimated purge Volume: 7.8 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume:

Starting Time: 10:56 | Purging Flow Rate: 2.8 gpm.

Sampling Time: 1101

Time	pH	Conductivity	Temperature	Volume
10:57	7.16	567	19.8	2.8
1058	7.05	592	19.5	5.6
1059	7.02	582	19.8	8.4
11.01	7.03	590	19.7	9.8

Weather Conditions: Raining

Water Color: Clear | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
C-10	3x40ml VOA	Y	HCL	CTEL	Gas BTXE 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: 526985
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Deanna Harding
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Mark Miller
(Phone): 841-8134
Laboratory Name: GTEL
Laboratory Release Number: 347 1200
Samples Collected by (Name): F. Dini
Collection Date: 12-11-95
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX w/MTBE (8015)	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)					DO NOT BILL TB-LB ANALYSIS Remarks
TB-43		2	W	TB	—	HCl	Y	X	5121432			AB								
~~Added~~ C-1		3		6	1101				5121433			AC								
C-10					1119				5121434											
C-9					1048				5121435											
C-5					1218				5121436											
C-4					1231				5121437											
C-6					1240				5121438											
C-3					1250				5121439											
C-1					1301				5121440											
C-7					1313				5121441											
C-2					1326				5121442											
C-8		↓	↓	↓	1341	↓	↓	↓	5121443	↓	↓	↓								

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	GTL	12-12-95	Deanna Harding	G-R	12/13/95 (8:30)
Deanna Harding	G-R	12/13/95 (3:30)	Received By (Signature)	Organization	Date/Time 12:30
			Joan Weber	GTEL	12/13/95
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
Joan Weber	GTEL	12/14/95	Kevin Mclander		12/14/95 16:00

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

SENT BY:SEQUOIA ANALYTICAL ; 1-17-96 ; 11:05 ; WALNUT CREEK→ 316 945 0506;# 6

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

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

Project Number: 5259.85
Chevron SS
#9-0504
15900 Hesperian
Blvd.
San Lorenzo, CA
Work Order Number: W5-12-0387

January 17, 1996

Deanna Harding
Gettler-Ryan
6747 Sierra Ct.
Suite J
Dublin, CA 94568

Dear Deanna Harding:

The report, previously reported 01-03-96, is a reissue.

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories on 12-14-95 under your chain-of-custody record.

A formal quality control/quality assurance program is maintained by 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.

GTEL is certified by the Department of California Health Services under Certification Number 1845.

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

Sincerely,

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

GTEL (Wichita)	Client Project ID:	Gettler-Ryan / Chevron #9-0504	Sampled: Dec 11, 1995
4211 May Ave.	Sample Matrix:	Water	Received: Dec 14, 1995
Wichita, KS 67209	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Jan 2, 1996
Attention: Justin Ward	First Sample #:	512-1432	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 512-1432 TB-LB	Sample I.D. 512-1433 C-11	Sample I.D. 512-1434 C-10	Sample I.D. 512-1435 C-9	Sample I.D. 512-1436 C-5	Sample I.D. 512-1437 C-4
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.50	N.D.	1.1	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Analyzed:	12/23/95	12/23/95	12/23/95	12/23/95	12/23/95	12/23/95
Instrument Identification:	HP.3	HP.3	HP.3	HP.3	HP.3	HP.3
Surrogate Recovery, %: (QC Limits = 70-130%)	72	71	97	75	77	78

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1894

Kenneth L. Wimer
Project Manager

5121432.GTW <1>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

GTEL (Wichita)	Client Project ID:	Gettler-Ryan / Chevron #9-0504	Sampled:	Dec 11, 1995
4211 May Ave.	Sample Matrix:	Water	Received:	Dec 14, 1995
Wichita, KS 67209	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Jan 2, 1996
Attention: Justin Ward	First Sample #:	512-1438		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 512-1438 C-6	Sample I.D. 512-1439 C-3	Sample I.D. 512-1440 C-1	Sample I.D. 512-1441 C-7	Sample I.D. 512-1442 C-2	Sample I.D. 512-1443 C-8
Purgeable Hydrocarbons	50	140	670	210	14,000	3,700	7,500
Benzene	0.50	N.D.	N.D.	2.4	80	23	100
Toluene	0.50	N.D.	N.D.	N.D.	6.1	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	7.0	43	91	68	160
Total Xylenes	0.50	N.D.	13	85	120	300	120
Chromatogram Pattern:		Unidentified Hydrocarbons >C12	Gasoline + Unidentified Hydrocarbons >C8	Gasoline	Gasoline	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	10	10	10
Date Analyzed:	12/23/95	12/23/95	12/23/95	12/23/95	12/23/95	12/23/95
Instrument Identification:	HP.3	HP.3	HP.3	HP.3	HP.3	HP.3
Surrogate Recovery, %: (QC Limits = 70-130%)	77	74	75	85	87	87

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1894

Kenneth L. Wimer
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

GTEL (Wichita)	Client Project ID:	Gettler-Ryan / Chevron #9-0504	Sampled:	Dec 11, 1995
4211 May Ave.	Sample Descript:	Water	Received:	Dec 14, 1995
Wichita, KS 67209	Analysis for:	MTBE (Modified EPA 8020)		
Attention: Justin Ward	First Sample #:	512-1432	Analyzed:	Dec 23, 1995
			Reported:	Jan 2, 1996

LABORATORY ANALYSIS FOR: MTBE (Modified EPA 8020)

Sample Number	Sample Description	Detection Limit µg/L	Sample Result µg/L
512-1432	TB-LB	0.50	N.D.
512-1433	C-11	0.50	1.1
512-1434	C-10	0.50	N.D.
512-1435	C-9	0.50	N.D.
512-1436	C-5	0.50	N.D.
512-1437	C-4	0.50	N.D.
512-1438	C-6	0.50	N.D.
512-1439	C-3	0.50	15
512-1440	C-1	0.50	79
512-1441	C-7	0.50	70
512-1442	C-2	0.50	1,000
512-1443	C-8	0.50	130

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1894

Kenneth L. Wimer
Project Manager

5121432.GTW <3>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

GTEL (Wichita)
4211 May Ave.
Wichita, KS 67209
Attention: Justin Ward

Client Project ID: Gettler-Ryan / Chevron #9-0504
Matrix: Liquid
QC Sample Group: 5121432 thru 1443

Reported: Jan 2, 1996

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	Z.T.	Z.T.	Z.T.	Z.T.
MS/MSD Batch#:	5120578	5120578	5120578	5120578
Date Prepared:	12/22/95	12/22/95	12/22/95	12/22/95
Date Analyzed:	12/23/95	12/23/95	12/23/95	12/23/95
Instrument I.D.#:	HP.3	HP.3	HP.3	HP.3
Conc. Spiked:	5.0 µg/L	5.0 µg/L	5.0 µg/L	15 µg/L
Matrix Spike % Recovery:	69	75	75	67
Matrix Spike Duplicate % Recovery:	71	66	69	67
Relative % Difference:	2.8	13	8.3	0.0
LCS Batch#:	LCS122295	LCS122295	LCS122295	LCS122295
Date Prepared:	12/22/95	12/22/95	12/22/95	12/22/95
Date Analyzed:	12/23/96	12/23/96	12/23/96	12/23/96
Instrument I.D.#:	HP.3	HP.3	HP.3	HP.3
LCS % Recovery:	112	120	120	106
% Recovery Control Limits:	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1894

Kenneth L. Wimer
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.