



# GETTLER-RYAN INC.

October 27, 1995

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

Re: Chevron Service Station #9-0504  
15900 Hesperian Boulevard  
San Lorenzo, CA  
Job #5259.80

Dear Mr. Miller:

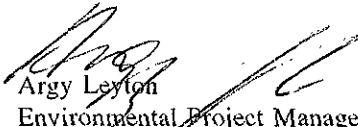
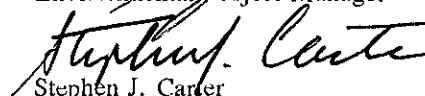
This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On September 22, 1995, field personnel were on-site to gauge and sample eleven wells (C-1 through C-11) at Chevron Service Station #9-0504 located at 15900 Hesperian Boulevard in San Lorenzo, California.

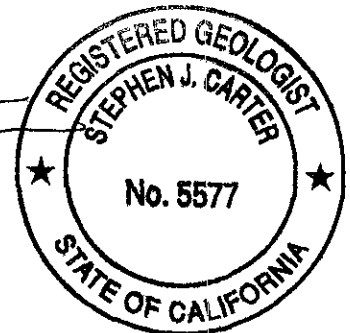
Static groundwater levels were measured on September 22, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map 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 Groundwater Technology Environmental Laboratories, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic reports are attached. G-R is not responsible for laboratory omissions or errors.

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

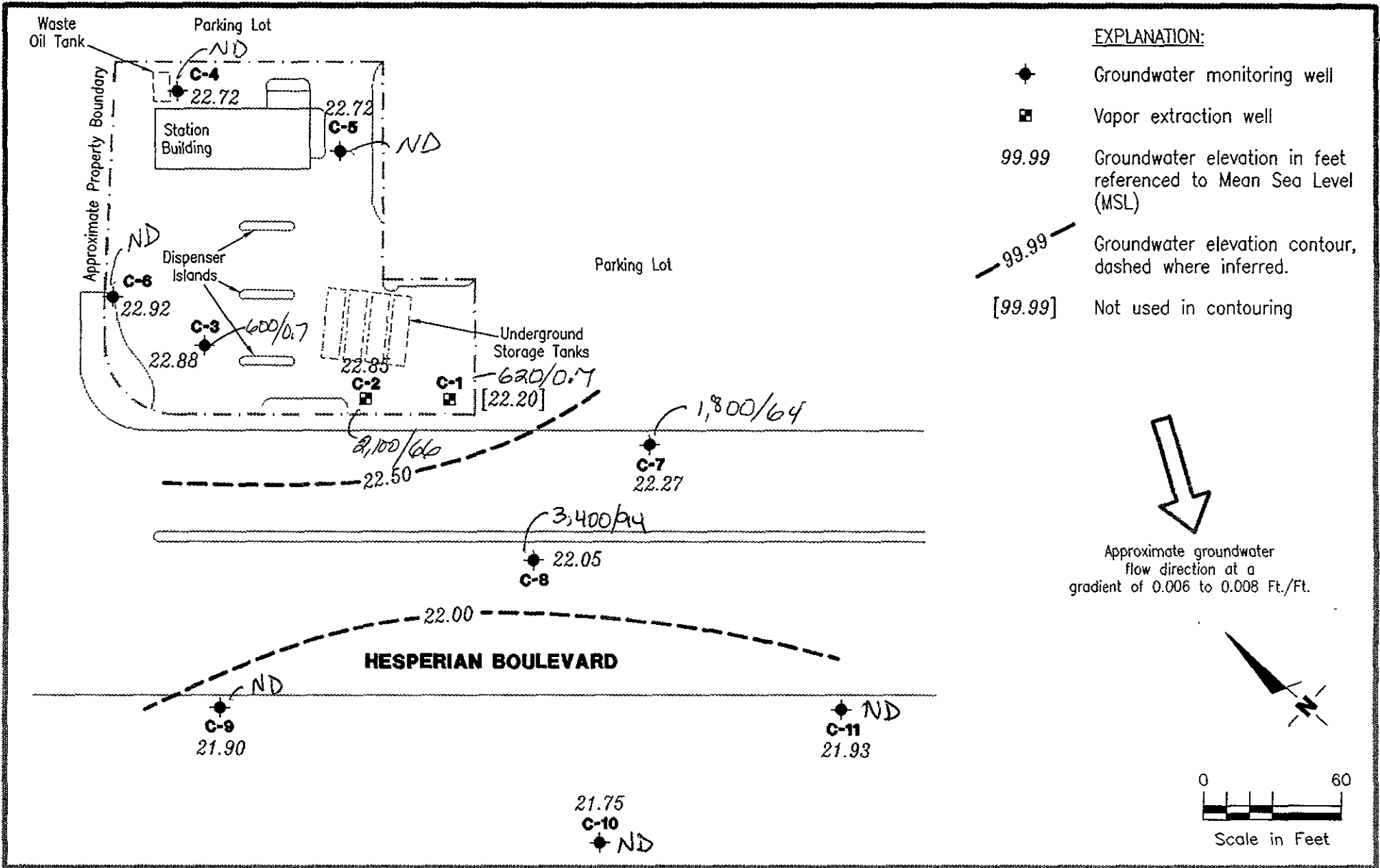
Sincerely,

  
Argy Leyton  
Environmental Project Manager  
  
Stephen J. Carter  
Senior Geologist, R.G. 5577



AML/SJC/dlh  
5259:QML

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



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (510) 551-7555  
Dublin, CA 94568

**POTENTIOMETRIC MAP**

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

FIGURE

**1**

JOB NUMBER  
5259.85

REVIEWED BY

DATE  
September 22, 1995

REVISED DATE



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product	Analytic Method	TPPH(G)	B	T	E	X	C	HVOCs	
				Thickness* (ft)									
C-1	6/6/89	---	---	0	8015/8020	5,100	250	170	200	990	---	---	
	12/8/89	13.14	---	0.01	---	---	---	---	---	---	---	---	
33.93 <sup>2</sup>	9/7/90	14.04	19.91 <sup>1</sup>	0.03	---	---	---	---	---	---	---	---	
	12/20/90	13.87	20.07 <sup>1</sup>	0.01	---	---	---	---	---	---	---	---	
	3/15/91	11.40	22.53	0	8015/8020	37,000	220	53	53	1,900	---	---	
	6/28/91	12.25	21.68	0	8015/8020	3,300	110	6.2	6.2	350	---	---	
	9/26/91	14.02	19.91	0	8015/8020	3,200	220	6.9	6.9	710	---	---	
	1/27/92	12.63	21.30	0	8015/8020	330	20	0.6	0.6	48	---	---	
	4/20/92	10.43	23.50	0	8015/8020	2,700	130	3.4	3.4	690	---	---	
	7/17/92	12.61	21.32	0	8015/8020	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	8015/8020	240	3.6	<0.5	11	23	---	---
		3/31/94	9.45	23.35	0	8015/8020	530	23	1.2	10	120	---	---
		6/8/94	9.93	22.87	0	8015/8020	990	15	1.5	42	89	---	---
		9/29/94 <sup>4</sup>	---	---	---	---	---	---	---	---	---	---	---
11/9/94 <sup>4</sup>		---	---	---	---	---	---	---	---	---	---	---	
12/14/94 <sup>4</sup>		---	---	---	---	---	---	---	---	---	---	---	
3/30/95		8.01	24.79	0	8015/8020	3,900	21	7.2	190	250	---	---	
6/30/95	9.82	22.98	0	8015/8020	1,400	3.1	0.8	54	95	---	---		
	9/22/95	10.60	22.20	0	8015/8020	620 <sup>8</sup>	0.7	<0.5	3.3	3.5	---	---	
C-2	6/6/89	---	---	0	8015/8020	130,000	14,000	28,000	3,400	24,000	---	---	
	12/8/89	13.44	---	0.15	---	---	---	---	---	---	---	---	
34.21 <sup>2</sup>	9/7/90	14.28	20.01 <sup>1</sup>	0.10	---	---	---	---	---	---	---	---	
	12/20/90	14.06	20.16 <sup>1</sup>	0.01	---	---	---	---	---	---	---	---	
	3/15/91	11.59	22.63 <sup>1</sup>	0.01	8015/8020	1,200,000	4,700	16,000	13,000	140,000	---	---	
	6/28/91	12.55	21.66	0	8015/8020	150,000	3,500	4,200	2,100	16,000	---	---	
	9/26/91	14.20	20.01	0	8015/8020	4,900	220	290	130	880	---	---	
	1/27/92	12.46	21.75	0	8015/8020	8,200	510	590	230	1,300	---	---	
	4/20/92	10.24	23.97	0	8015/8020	19,000	1,700	1,700	930	4,700	---	---	
	7/17/92	12.81	21.40	0	8015/8020	20,000	950	950	1,300	4,700	---	---	
	1/20/93	8.79	25.42	0	8015/8020	---	---	---	---	---	---	---	
	33.46	10/27/93	12.36	21.10	0	8015/8020	1,600	63	5.8	5.9	190	---	---
3/31/94		9.62	23.84	0	8015/8020	12,000	300	96	510	2,700	---	---	
6/8/94		9.98	23.48	0	8015/8020	8,700	140	35	250	1,500	---	---	
9/28/94 <sup>4</sup>		---	---	---	---	---	---	---	---	---	---	---	
11/9/94 <sup>4</sup>		---	---	---	---	---	---	---	---	---	---	---	
12/14/94 <sup>4</sup>		---	---	---	---	---	---	---	---	---	---	---	
3/30/95		7.69	25.77	0	8015/8020	1,400	17	5.4	52	240	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G)	B	T	E	X	C	HVOCs
C-2 (cont)	6/30/95	9.90	23.56	0	8015/8020	730	22	2.6	50	240	---	---
	9/22/95	10.61	22.85	0	8015/8020	2,100 <sup>8</sup>	66	7.3	140	550	---	---
C-3	6/6/89	---	---	0	8015/8020	2,600	63	20	390	370	---	---
	12/8/89	---	---	0	8015/8020	680	6.0	1.0	31	58	---	---
35.46 <sup>2</sup> (d)	9/7/90	15.31	20.15	0	8015/8020	490	6.0	<0.5	41	120	---	---
	9/7/90	---	---	0	8015/8020	460	6.0	<0.5	40	110	---	---
(d)	12/20/90	15.17	20.29	0	8015/8020	100	5.0	<0.5	27	130	---	---
	3/6/91	13.27	22.19	0	8015/8020	1,300	7.0	<0.5	75	250	---	---
(d)	3/6/91	---	---	0	8015/8020	1,400	8.0	<0.5	76	250	---	---
	6/28/91	13.67	21.79	0	8015/8020	770	6.0	<0.5	81	71	---	---
(d)	6/28/91	---	---	0	8015/8020	990	5.5	<0.5	86	75	---	---
	9/26/91	15.32	20.14	0	8015/8020	1,400	7.9	<0.5	98	340	---	---
	1/27/92	13.91	21.55	0	8015/8020	150	0.7	<0.5	12	12	---	---
	4/20/92	11.66	23.80	0	8015/8020	1,600	9.3	1.0	190	370	---	---
	7/17/92	13.96	21.50	0	8015/8020	460	18	<0.5	20	52	---	---
	10/29/92	15.51	19.95	0	8015/8020	520	2.4	1.0	30	79	---	---
	1/20/93	10.99	24.47	0	8015/8020	4,200	7.4	<0.5	140	380	---	---
	5/3/93	10.97	24.49	0	8015/8020	1,300	6.8	3.2	71	170	---	---
	7/28/93	12.41	23.05	0	8015/8020	220	1.4	<0.5	17	39	---	---
	10/27/93	13.37	21.78	0	8015/8020	1,800	5.5	0.7	68	290	---	---
	3/31/94	11.56 <sup>3</sup>	23.90	0	8015/8020	310	1.2	<0.5	19	54	---	---
	6/8/94	12.07	23.39	0	8015/8020	300	2.7	1.6	19	48	---	---
	9/29/94 <sup>5</sup>	13.84	21.62	0	8015/8020	2,500	<25	<25	<25	220	---	---
	11/9/94 <sup>6</sup>	---	---	0	8015/8020	170	<0.5	0.8	3.3	16	---	---
	12/14/94	11.85	23.61	0	8015/8020	510	3.2	1.4	28	60	---	---
	3/30/95	9.61	25.85	0	8015/8020	66	<0.5	<0.5	1.1	2.4	---	---
	6/30/95	11.50	23.96	0	8015/8020	1,500	1.9	8.1	100	300	---	---
	9/22/95	12.58	22.88	0	8015/8020	600 <sup>8</sup>	0.7	<0.5	43	110	---	---
C-4	6/6/89	---	---	0	8015/8020	<50	<0.05	<1.0	<1.0	<3.0	---	---
	12/8/89	---	---	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	---	---
35.78 <sup>2</sup>	9/7/90	15.58	20.20	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	12/20/90	15.42	20.36	0	8015/8020	170	1.0	<0.5	<0.5	4.0	---	---
	3/6/91	13.54	22.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/28/91	13.93	21.85	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.8	---	---
	9/26/91	15.64	20.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/26/91	15.64	---	0	8015/8020	<50	<0.5	<0.5	<0.5	---	---	---



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	B	T	-----ppb-----			C	HVOCs
									E	X	>		
C-4 (cont)	1/27/92	13.96	21.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	11.71	24.07	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	14.19	21.59	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	15.72	20.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	11.17	24.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	10.94	24.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/28/93	12.40	23.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	35.23	10/27/93	13.32	21.91	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
		3/31/94 <sup>4</sup>	---	---	---	---	---	---	---	---	---	---	---
		6/8/94	11.92	23.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		9/29/94 <sup>5</sup>	13.76	21.47	0	8015/8020/8010	<2,500	<25	<25	<25	<25	<0.5	ND <sup>7</sup>
		11/9/94 <sup>6</sup>	---	---	0	8015/8020/8010	<50	<0.5	<0.5	<0.5	<0.5	<0.5	ND <sup>7</sup>
		12/14/94	11.79	23.44	0	8015/8020/8010	<50	2.1	3.0	1.9	3.7	1.8	ND <sup>7</sup>
		3/30/95	9.01	26.22	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/30/95	11.44	23.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/22/95	12.51	22.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
C-5	6/6/89	---	---	0	8015/8020	<50	<0.05	<0.05	<1.0	<3.0	---	---	
	12/8/89	---	---	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	---	---	
35.31 <sup>2</sup>	9/7/90	15.10	20.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/20/90	14.94	20.37	0	8015/8020	80	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	13.06	22.25	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	6/28/91	13.46	21.85	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	15.14	20.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/27/92	13.31	22.00	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	11.10	24.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	13.73	21.58	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	15.20	20.11	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	10.72	24.59	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	10.43	24.88	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	7/28/93	11.81	23.50	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	34.61	10/27/93	12.68	21.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
3/31/94		11.00 <sup>3</sup>	23.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
6/8/94		11.26	23.35	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
9/29/94 <sup>5</sup>		13.10	21.51	0	8015/8020	<2,500	<25	<25	<25	<25	---	---	
11/9/94 <sup>6</sup>		---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
12/14/94		11.37	23.24	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
3/30/95		8.97	25.64	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G)	B	T	E	X	C	HVOCs
C-5 (cont)	6/30/95	10.83	23.78	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/22/95	11.89	22.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
C-6 36.89 <sup>2</sup>  36.57	12/8/89	---	---	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5	---	---
	9/7/90	16.83	20.06	0	8015/8020	57	<0.5	<0.5	0.6	4.0	---	---
	12/20/90	16.66	20.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	3/6/91	14.80	22.09	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/28/91	15.16	21.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/26/91	16.82	20.07	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	1/27/92	15.44	21.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	4/20/92	13.17	23.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	7/17/92	15.44	21.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	10/29/92	16.98	19.91	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	1/20/93	12.47	24.42	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	5/3/93	---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	7/28/93	13.86	23.03	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	10/27/93	14.85	21.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
	3/31/94	13.00	23.57	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	6/8/94	13.44	23.13	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
	9/29/94 <sup>5</sup>	14.88	21.69	0	8015/8020	<2,500	<25	<25	<25	<25	---	---
	11/9/94 <sup>6</sup>	---	---	0	8015/8020	<50	<0.5	0.5	<0.5	<0.5	---	---
	12/14/94	12.99	23.58	0	8015/8020	<50	0.9	1.5	1.3	2.6	---	---
	3/30/95	10.77	25.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
6/30/95	12.62	23.95	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
9/22/95	13.65	22.92	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
C-7 32.75 <sup>2</sup>	12/8/89	---	---	0	8015/8020	1,700	32	12	17	150	---	---
	9/7/90	13.02	19.73	0	8015/8020	880	84	23	46	180	---	---
	12/20/90	12.28	20.47	0	8015/8020	560	24	3.0	19	21	---	---
	3/6/91	16.92	15.83	0	8015/8020	240	25	2.0	4.0	26	---	---
	6/28/91	11.31	21.44	0	8015/8020	2,400	130	13	82	220	---	---
	9/26/91	12.28	20.47	0	8015/8020	8,100	47	35	350	1,200	---	---
	1/27/92	11.43	21.32	0	8015/8020	12,000	170	40	420	830	---	---
	4/20/92	9.28	23.47	0	8015/8020	1,200	80	11	90	110	---	---
	7/17/92	11.49	21.26	0	8015/8020	2,400	20	7.4	95	200	---	---
	10/29/92	13.05	19.70	0	8015/8020	69	1.3	<0.5	3.8	7.2	---	---
	1/20/93	8.69	24.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
5/3/93	8.68	24.07	0	8015/8020	2,400	29	8.6	140	210	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	B	T	-----ppb-----			C	HVOCs >
									E	X			
C-7 (cont)32.32	7/28/93	9.99	22.76	0	8015/8020	3,600	38	16	290	920	---	---	
	10/27/93	10.72	21.60	0	8015/8020	22,000	23	26	990	2,600	---	---	
	3/31/94	9.11	23.21	0	8015/8020	2,300	45	7.0	130	190	---	---	
	6/8/94	9.22	23.10	0	8015/8020	6,900	46	11	380	820	---	---	
	9/29/94	11.32	21.00	0	8015/8020	11,000	10	11	620	810	---	---	
	11/9/94 <sup>6</sup>	---	---	0	8015/8020	7,800	33	18	570	1,100	---	---	
	12/14/94	8.99	23.33	0	8015/8020	7,700	63	16	140	1,200	---	---	
	3/30/95	7.28	25.04	0	8015/8020	4,100	64	18	170	280	---	---	
	6/30/95	9.07	23.25	0	8015/8020	1,200	31	3.7	21	18	---	---	
	9/22/95	10.05	22.27	0	8015/8020	1,800	64	5.7	30	38	---	---	
C-8 33.82 <sup>2</sup>	12/8/89	---	---	0	8015/8020	4,800	62	11	95	180	---	---	
	9/7/90	14.32	19.50	0	8015/8020	3,700	170	31	180	270	---	---	
	12/20/90	14.20	19.61	0	8015/8020	3,900	120	20	130	180	---	---	
	3/6/91	14.80	19.02	0	8015/8020	1,200	45	6.0	34	57	---	---	
	6/28/91	12.65	21.17	0	8015/8020	6,900	180	46	340	640	---	---	
	9/26/91	14.29	19.53	0	8015/8020	1,400	66	9.8	38	40	---	---	
	1/27/92	12.60	21.22	0	8015/8020	3,600	100	26	170	260	---	---	
	4/20/92	10.36	23.46	0	8015/8020	2,600	110	32	180	260	---	---	
	7/17/92	12.88	20.94	0	8015/8020	1,100	34	5.9	35	52	---	---	
	10/29/92	14.39	19.43	0	8015/8020	820	29	4.8	23	27	---	---	
	1/20/93	10.02	23.80	0	8015/8020	6,000	81	22	200	310	---	---	
	5/3/93	9.75	24.07	0	8015/8020	11,000	75	96	880	2,600	---	---	
	7/28/93	11.14	22.68	0	8015/8020	2,800	60	13	92	150	---	---	
	10/27/93	12.01	21.24	0	8015/8020	2,700	49	17	60	90	---	---	
	3/31/94	10.27	22.98	0	8015/8020	190	8.6	1.7	9.1	11	---	---	
33.25	6/8/94	10.56	22.69	0	8015/8020	2,800	52	110	78	110	---	---	
	9/29/94	12.42	20.83	0	8015/8020	3,700	120	20	120	85	---	---	
	11/9/94 <sup>6</sup>	---	---	0	8015/8020	3,200	82	44	160	110	---	---	
	12/14/94	10.51	22.74	0	8015/8020	5,300	140	30	170	310	---	---	
	3/30/95	8.44	24.81	0	8015/8020	3,900	86	19	180	210	---	---	
	6/30/95	10.14	23.11	0	8015/8020	1,500	75	21	72	72	---	---	
	9/22/95	11.20	22.05	0	8015/8020	3,400	94	24	110	110	---	---	
C-9/ 33.43 <sup>2</sup>	9/7/90	14.06	19.37	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/20/90	14.03	19.40	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	12.12	21.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	B	T	-----ppb----->			C	HVOCs
									E	X			
C-9 (cont)	6/28/91	12.41	21.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	14.02	19.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/27/92	12.53	20.90	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	4/20/92	10.22	23.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	7/17/92	12.64	20.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	10/29/92	14.20	19.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/20/93	9.72	23.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	5/3/93	9.55	23.66	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	7/28/93	10.98	22.45	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---	
	32.97	10/27/93	11.98	20.99	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
		3/31/94	10.17	22.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		6/8/94	10.53	22.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		9/29/94 <sup>5</sup>	12.40	20.57	0	8015/8020	<5,000	<50	<50	<50	<50	---	---
		11/9/94 <sup>6</sup>	---	---	0	8015/8020	<50	<0.5	<0.5	<0.5	0.7	---	---
		12/14/94	10.49	22.48	0	8015/8020	69	1.1	2.2	3.4	7.8	---	---
3/30/95		8.20	24.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
6/30/95		9.97	23.00	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
9/22/95	11.07	21.90	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---		
C-10/ 31.63 <sup>2</sup>	9/7/90	12.49	19.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	12/20/90	12.36	19.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	3/6/91	10.45	21.18	0	8015/8020	<50	<0.5	0.8	<0.5	0.8	---	---	
	6/28/91	10.74	20.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	9/26/91	12.42	19.21	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
	1/27/92	10.84	20.79	0	8015/8020	<50	<0.5	1.3	<0.5	<0.5	---	---	
	(d)	1/27/92	---	---	0	8015/8020	<50	<0.5	1.3	<0.5	<0.5	---	---
		4/20/92	8.55	23.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		7/17/92	11.02	20.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		10/29/92	12.40	19.23	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		1/20/93	8.14	23.49	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
		5/3/93	7.92	23.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
		7/28/93	9.36	22.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---	---
		31.16	10/27/93	10.30	20.86	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	---
	3/31/94		8.45	22.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---
6/8/94	8.85		22.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	---	
9/29/94 <sup>5</sup>	10.70		20.46	0	8015/8020	<5,000	<50	<50	<50	<50	---	---	
11/9/94 <sup>6</sup>	---		---	0	8015/8020	<50	<0.5	1.4	0.8	1.2	---	---	
12/14/94	8.61		22.55	0	8015/8020	110	3.9	5.4	4.3	11	---	---	





Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <-----	B	T	-----ppb-----			C	HVOCs
									E	X	>		
C-10 (cont)	3/30/95	6.65	24.51	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	6/30/95	8.30	22.86	0	8015/8020	<50	1.5	1.5	<0.5	2.2	--	--	
	9/22/95	9.41	21.75	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
C-11/ 31.58 <sup>2</sup>	9/7/90	12.22	19.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	12/20/90	12.08	19.50	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	3/6/91	16.15	15.43	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	6/28/91	10.52	21.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	9/26/91	12.20	19.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	1/27/92	10.73	20.85	0	8015/8020	<50	<0.5	0.8	<0.5	<0.5	--	--	
	4/20/92	8.56	23.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	7/17/92	10.78	20.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	10/29/92	12.07	19.51	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	1/20/93	7.97	21.61	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	5/3/93	7.95	23.63	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--	
	7/28/93	9.31	22.27	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--	
	31.23	10/27/93	10.17	21.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--
		3/31/94	8.43	22.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
		6/8/94	8.76	22.47	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
		9/29/94	10.54	20.69	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
		11/9/94	---	---	0	8015/8020	<50	<0.5	0.6	<0.5	0.7	--	--
12/14/94		8.50	22.73	0	8015/8020	51	1.1	1.7	1.6	4.0	--	--	
3/30/95		6.85	24.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
6/30/95		8.34	22.89	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
9/22/95	9.30	21.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--		
Trip Blank	9/7/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	12/20/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	3/6/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	6/28/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	9/26/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	1/27/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	4/20/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	7/17/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	10/29/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	1/20/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--	
	5/3/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--	



Table 1. Water Level Data and Groundwater Analytic 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)	Analytic Method	TPPH(G) <----->	B	T	E	X	C	HVOCs
Trip Blank	7/28/93	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--
(cont)	10/27/93	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<1.5	--	--
	3/31/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	6/8/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	11/9/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	12/14/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	3/30/95	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	6/30/95	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
	9/22/95	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	--	--
DTSC MCLs	--	--	--	--	--	NE	1.0	100	680	1,750	--	--



Table 1. Water Level Data and Groundwater Analytic 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  
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline  
B = Benzene  
T = Toluene  
E = Ethylbenzene  
X = Xylenes  
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

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)  
8020 = EPA Method 8020 for BTEX  
8010 = EPA Method 8010 for HVOCs

NOTES:

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

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

- <sup>1</sup> 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.
- <sup>2</sup> Elevation of well box.
- <sup>3</sup> Depth to water measured from top of well vault.
- <sup>4</sup> Well inaccessible due to down-hole extraction equipment.
- <sup>5</sup> Detection limit raised due to foaming sample.
- <sup>6</sup> All site monitoring wells were re-sampled due to an excessive number of foaming samples on the 9/29/94 event.
- <sup>7</sup> Other HVOCs were not detected at detection limits of 0.5 - 1.0 ppb.
- <sup>8</sup> Laboratory report indicates uncategorized compounds are not included in gasoline concentration.



## 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 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 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.



WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

9-22-95

ADDRESS

#15900 Hesperian Blvd

JOB #

5259.85

CITY

Hayward CA

SS#

9-0504

Well ID

C-1

Well Condition

okay

Well Location Description

Well Diameter

2" - (3") in

Hydrocarbon Thickness

0

Total Depth

24.18.9 ft

Depth to Liquid

10.60 ft

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

# of casing 3x  
Volume

8.30

x 0.38-0.11 x(VF) 3.1 #Estimated

purge  
Volume

9.5

gal.

Purge Equipment

Suction

Sampling Equipment

Bailer

Did well dewater

No

If yes, Time

Volume

Starting Time

11:58

Purging Flow Rate

1.6

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

12:00

7.10

780

21.5

3.2

12:02

6.90

832

22.0

6.4

12:04

6.92

840

21.9

9.6

12:07

6.90

840

21.8

10.5

Weather Conditions

Sunny warm & clear

Water Color:

Black/grey

Odor:

Mild

Sediment Description

Barren

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-1</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTK</u>

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY Hayward CA SS# 9-0504

Well ID C-2 Well Condition okay

Well Location Description \_\_\_\_\_

Well Diameter 2" - 3" in Hydrocarbon Thickness 0

Total Depth 20.0 ft

Depth to Liquid 10.61 ft

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

# of casing 3x 9.39 x 0.38-0.17 x (VF) 3.5 #Estimated 10.7 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 11:44 Purging Flow Rate 1.8 gpm.

Sampling Time 11:53

Time	pH	Conductivity	Temperature	Volume
<u>11:46</u>	<u>7.20</u>	<u>728</u>	<u>21.4</u>	<u>3.6</u>
<u>11:48</u>	<u>7.00</u>	<u>761</u>	<u>21.7</u>	<u>7.2</u>
<u>11:50</u>	<u>6.96</u>	<u>770</u>	<u>21.7</u>	<u>10.8</u>
<u>11:53</u>	<u>6.99</u>	<u>709</u>	<u>22.0</u>	<u>11.5</u>

Weather Conditions Sunny warm & clear

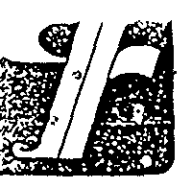
Water Color: Brown/Black Odor: Mild

Sediment Description Bauvier

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-2</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTX</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY Hayward 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 12.58 ft

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

# of casing 3x Volume 6.42 x ~~0.38-0.17~~ x(VF) 2.4 #Estimated purge Volume 7.3 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater NO If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 11:28 Purging Flow Rate 2.5 gpm.

Sampling Time 11:35

Time	pH	Conductivity	Temperature	Volume
<u>11:29</u>	<u>7.20</u>	<u>875</u>	<u>20.2</u>	<u>2.5</u>
<u>11:30</u>	<u>7.0</u>	<u>862</u>	<u>20.4</u>	<u>5.0</u>
<u>11:31</u>	<u>6.95</u>	<u>866</u>	<u>20.5</u>	<u>7.5</u>
<u>11:35</u>	<u>6.98</u>	<u>865</u>	<u>20.4</u>	<u>8.0</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-3</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Cons BTEX</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY Hayward 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 12.51 ft

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

# of casing 3x Volume 7.24 x 0.38-0.77 x (VF) 2.75 #Estimated purge Volume 8.25 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 11:09 Purging Flow Rate 2.8 gpm.

Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
<u>11:10</u>	<u>7.40</u>	<u>923</u>	<u>20.1</u>	<u>2.8</u>
<u>11:11</u>	<u>7.10</u>	<u>948</u>	<u>21.5</u>	<u>5.6</u>
<u>11:12</u>	<u>7.08</u>	<u>956</u>	<u>21.2</u>	<u>8.4</u>
<u>11:15</u>	<u>7.10</u>	<u>948</u>	<u>21.3</u>	<u>9.0</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-4</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BOD</u>

Comments \_\_\_\_\_





WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS #15900 Hesperian Blvd JOB # 5259.85

CITY Hayward CA SS# 9-0504

Well ID C-5 Well Condition okay

Well Location Description \_\_\_\_\_

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

Total Depth 18.50 ft

Depth to Liquid 11.89 ft

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

# of casing 3x 6.01 x 0.38-0.17 x (VF) 2.5 #Estimated 7.5 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 10:48 Purging Flow Rate 2.5 gpm.

Sampling Time 10:54

Time	pH	Conductivity	Temperature	Volume
<u>10:49</u>	<u>7.27</u>	<u>849</u>	<u>21.1</u>	<u>2.5</u>
<u>10:50</u>	<u>7.11</u>	<u>872</u>	<u>21.4</u>	<u>5.0</u>
<u>10:51</u>	<u>7.07</u>	<u>874</u>	<u>21.7</u>	<u>7.5</u>
<u>10:54</u>	<u>7.10</u>	<u>873</u>	<u>21.8</u>	<u>8.0</u>

Weather Conditions Sunny warm & clear

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-5</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTX</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95  
 ADDRESS 15900 Hesperian Blvd JOB # 5259.85  
 CITY Hayward 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 13.65 ft

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

# of casing 3x 9.85 x ~~0.38~~ 0.17 x (VF) 1.67 #Estimated 5.0 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 11:18 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time 11:25

Time	pH	Conductivity	Temperature	Volume
<u>11:19</u>	<u>6.90</u>	<u>998</u>	<u>21.4</u>	<u>1.7</u>
<u>11:20</u>	<del>6.89</del>	<u>999</u>	<u>21.6</u>	<u>3.4</u>
<u>11:22</u>	<u>6.88</u>	<u>997</u>	<u>21.6</u>	<u>5.1</u>
<u>11:25</u>	<u>6.89</u>	<u>998</u>	<u>21.6</u>	<u>6.0</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-6</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTXc</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS #15900 Hesperian Blvd JOB # 5259.85

CITY Hayward CA SS# 9-0504

Well ID C-7 Well Condition okay

Well Location Description \_\_\_\_\_

Well Diameter 2"-3" in Hydrocarbon Thickness 6

Total Depth 24.5 ft

Depth to Liquid 10.05 ft

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

# of casing 3x 14.45 x ~~0.38~~ 0.17 x(VF) 2.45 #Estimated 7.4 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 12:12 Purging Flow Rate 2.5 gpm.

Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
<u>12:13</u>	<u>7.30</u>	<u>649</u>	<u>20.2</u>	<u>2.5</u>
<u>12:14</u>	<u>7.20</u>	<u>729</u>	<u>20.8</u>	<u>5.0</u>
<u>12:15</u>	<u>7.18</u>	<u>750</u>	<u>20.7</u>	<u>7.5</u>
<u>12:19</u>	<u>7.19</u>	<u>749</u>	<u>20.7</u>	<u>5.0</u>

Weather Conditions Sunny warm & clear

Water Color: clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-7</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Cas BIX</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY Hayward 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 11.20 ft

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

# of casing 3x Volume 13.30 x ~~0.38~~ 0.17 x (VF) 2.2 #Estimated 6.7 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 9:58 Purging Flow Rate 2.2 gpm.

Sampling Time 10:04

Time	pH	Conductivity	Temperature	Volume
<u>9:59</u>	<u>6.96</u>	<u>762</u>	<u>21.0</u>	<u>2.2</u>
<u>10:00</u>	<u>6.80</u>	<u>780</u>	<u>21.4</u>	<u>4.4</u>
<u>10:01</u>	<u>6.81</u>	<u>784</u>	<u>21.5</u>	<u>6.6</u>
<u>10:04</u>	<u>6.80</u>	<u>783</u>	<u>21.4</u>	<u>7.0</u>

Weather Conditions Sunny warm & clear

Water Color: clear Odor: Mild

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-8</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTK2</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS #15900 Hesperian Blvd JOB # 5259.85

CITY Hayward CA SS# 9-0504

Well ID C-9 Well Condition okay

Well Location Description \_\_\_\_\_

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

Total Depth 24.5 ft

Depth to Liquid 11.07 ft

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

# of casing 3x Volume 13.43 x ~~0.38~~ 0.17 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 9:47 Purging Flow Rate 2.4 gpm.

Sampling Time 9:53

Time	pH	Conductivity	Temperature	Volume
<u>9:48</u>	<u>7.60</u>	<u>277</u>	<u>17.7</u>	<u>2.4</u>
<u>9:49</u>	<u>7.65</u>	<u>204</u>	<u>17.9</u>	<u>4.8</u>
<u>9:50</u>	<u>7.65</u>	<u>199</u>	<u>17.7</u>	<u>7.2</u>
<u>9:53</u>	<u>7.64</u>	<u>200</u>	<u>17.8</u>	<u>8.0</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-9</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Cons. BTKR</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 9-22-95

ADDRESS 15900 Hesperian Blvd JOB # 5259.85

CITY Hayward 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 9.41 ft

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

# of casing 3x Volume 15.09 x ~~0.38~~ 0.17 x(VF) 2.56 #Estimated 7.7 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 9:36 Purging Flow Rate 2.6 gpm.

Sampling Time 9:43

Time	pH	Conductivity	Temperature	Volume
<u>9:37</u>	<u>6.85</u>	<u>769</u>	<u>20.4</u>	<u>2.6</u>
<u>9:38</u>	<u>6.80</u>	<u>773</u>	<u>20.7</u>	<u>5.2</u>
<u>9:39</u>	<u>6.83</u>	<u>776</u>	<u>21.0</u>	<u>7.8</u>
<u>9:43</u>	<u>6.82</u>	<u>775</u>	<u>20.9</u>	<u>8.5</u>

Weather Conditions Sunny warm & clear

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-10</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Cons B Type</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F1 Cline DATE 9-22-95  
 ADDRESS 215900 Hesperian Blvd JOB # 5259.85  
 CITY Hayward CA SS# 9-0504

Well ID C-11 Well Condition okay

Well Location Description \_\_\_\_\_

Well Diameter 2"-3" in Hydrocarbon Thickness Ø

Total Depth 245 ft

Depth to Liquid 9.30 ft

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

# of casing 3x Volume 15.20 x 0.38 (VE) 0.17 x (VF) 2.6 #Estimated purge Volume 7.75 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 9:25 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
<u>9:26</u>	<u>7.15</u>	<u>520</u>	<u>20.2</u>	<u>2.6</u>
<u>9:27</u>	<u>7.09</u>	<u>603</u>	<u>20.2</u>	<u>5.2</u>
<u>9:28</u>	<u>7.00</u>	<u>610</u>	<u>20.3</u>	<u>7.8</u>
<u>9:33</u>	<u>7.02</u>	<u>608</u>	<u>20.2</u>	<u>8.5</u>

Weather Conditions Sunny warm & clear  
 Water Color: clear Odor: None  
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-11</u>	<u>3x40m VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTXR</u>

Comments \_\_\_\_\_

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 Leandro CA  
 Consultant Project Number: 5259.85  
 Consultant Name: Gettler-Ryan  
 Address: 6747 Sierra Ct, Ste J, Dublin 94568  
 Project Contact (Name): Argy Leyton  
 (Phone): 510 551-7555 (Fax Number) 551-7888

Chevron Contact (Name): Mark Miller  
 (Phone): 842-8134  
 Laboratory Name: GTBL-3471200  
 Laboratory Release Number: 3471200  
 Samples Collected by (Name): Frank Cline  
 Collection Date: 9-22-95  
 Signature: [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)	Analytes To Be Performed										Remarks	
								STEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8140)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (CAP or AA)				
TB-4B	01	2	W	TB	-	HCL	Y	+											Analyze
C-11	02	3		G	933														
C-10	03				943														
C-9	04				953														
C-5	05				1034														
C-4	06				1115														
C-6	07				1125														
C-2	08				1153														
C-3	09				1135														
C-8	10				1004														
C-1	11				1207														
C-7	12	↓	↓	↓	1219	↓	↓	↓											
												C5090256							

DO NOT BILL  
TB-LB ANALYSIS

Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>GIL</u>	Date/Time: <u>9/22/95</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>GIL</u>	Date/Time: <u>9/22/95</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>GIL</u>	Date/Time: <u>9/22/95 19:30</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>GTBL</u>	Date/Time: <u>9/22/95 14:30</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>GTBL</u>	Date/Time: <u>9/22/95 18:10</u>	Received For Laboratory By (Signature): <u>[Signature]</u>		Date/Time: <u></u>

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
5 Days  
10 Days  
As Contracted





# GTEL

ENVIRONMENTAL  
LABORATORIES, INC.

**Northwest Region**

4080-C Pike Lane  
Concord, CA 94520  
(510) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California  
(510) 825-0720 (FAX)

October 11, 1995

Argy Leyton  
Gettler-Ryan, Inc.  
6747 Sierra Ct.  
Suite J  
Dublin, CA 94568

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RE: GTEL Client ID:	GTR01CHV08
Login Number:	C5090256
Project ID (number):	5259.85
Project ID (name):	Chevron/#9-0504/15900 Hesperian Blvd., San Lorenzo, Ca

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Dear Argy Leyton:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 09/22/95.

A formal Quality Assurance/Quality Control (QA/QC) 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 Health Service under Certification Number E1075.

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

Sincerely,  
GTEL Environmental Laboratories, Inc.

A handwritten signature in cursive script, appearing to read "Chip Poalinelli".

Chip Poalinelli  
Laboratory Director

**ANALYTICAL RESULTS**  
**Volatile Organics**

GTEL Client ID: GTR01CHV08  
 Login Number: C5090256  
 Project ID (number): 5259.85  
 Project ID (name): Chevron/#9-0504/15900 Hesperian Blvd., San Lorenzo, Ca

Method: EPA8020/15  
 Matrix: Aqueous

GTEL Sample Number	C5090256-01	C5090256-02	C5090256-03	C5090256-04
Client ID	TB-LB	C-11	C-10	C-9
Date Sampled	09/22/95	09/22/95	09/22/95	09/22/95
Date Analyzed	10/06/95	10/06/95	10/06/95	10/06/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
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	< 0.5
TPH as GAS	50	ug/L	< 50	< 50	< 50	< 50
BFB (Surrogate)	--	%	114.	113.	115.	116.

**Notes:**

**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA8020/15:**

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

**ANALYTICAL RESULTS**  
**Volatile Organics**

GTEL Client ID: GTR01CHV08  
 Login Number: C5090256  
 Project ID (number): 5259.85  
 Project ID (name): Chevron/#9-0504/15900 Hesperian Blvd., San Lorenzo, Ca

Method: EPA8020/15  
 Matrix: Aqueous

GTEL Sample Number	C5090256-05	C5090256-06	C5090256-07	C5090256-08
Client ID	C-5	C-4	C-6	C-2
Date Sampled	09/22/95	09/22/95	09/22/95	09/22/95
Date Analyzed	10/06/95	10/06/95	10/06/95	10/06/95
Dilution Factor	1.00	1.00	1.00	2.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	66
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	7.3
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	140
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	550
TPH as GAS	50	ug/L	< 50	< 50	< 50	2100
BFB (Surrogate)	--	%	113.	17.8	17.9	96.0

Notes:

**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA8020/15:**

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

**C5090256-08:**

Uncategorized compound is not included in gasoline concentration.

**ANALYTICAL RESULTS**  
**Volatile Organics**

GTEL Client ID: GTR01CHV08  
 Login Number: C5090256  
 Project ID (number): 5259.85  
 Project ID (name): Chevron/#9-0504/15900 Hesperian Blvd., San Lorenzo, Ca

Method: EPA8020/15  
 Matrix: Aqueous

GTEL Sample Number	C5090256-09	C5090256-10	C5090256-11	C5090256-12
Client ID	C-3	C-8	C-1	C-7
Date Sampled	09/22/95	09/22/95	09/22/95	09/22/95
Date Analyzed	10/06/95	10/06/95	10/06/95	10/06/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	0.7	94.	0.7	64.
Toluene	0.5	ug/L	< 0.5	24.	< 0.5	5.7
Ethylbenzene	0.5	ug/L	43.	110	3.3	30.
Xylenes (total)	0.5	ug/L	110	110	3.5	38.
TPH as GAS	50	ug/L	600	3400	620	1800
BFB (Surrogate)	--	%	92.0	115.	116.	140.

Notes:

**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA8020/15:**

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

**C5090256-09:**

Uncategorized compound is not included in gasoline concentration.

**C5090256-11:**

Uncategorized compound is not included in gasoline concentration.

GTEL Client ID: GTR01CHV08  
Login Number: C5090256  
Project ID (number): 5259.85  
Project ID (name): Chevron/#9-0504/15900 Hesperian Blvd., San Lorenzo, Ca

QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA8020/15  
Matrix: Aqueous

Method Blank Results

QC Batch No: Q100695-1  
Date Analyzed: 06-OCT-95

Analyte	Method: EPA8020/15	Concentration: ug/L
Benzene		0.304
Toluene		< 0.300
Ethylbenzene		< 0.300
Xylenes (Total)		< 0.500
TPH as Gasoline		< 50.0

Notes:

Client Number: GTR01CHV08  
 Project ID: Chevron  
 115900 Hesperian Blvd.  
 San Lorenzo, CA  
 Facility Number: 0090504  
 Login Number: C5-09-0256

### CONFORMANCE/NONCONFORMANCE SUMMARY

(X = Requirements Met

\* = See Comments

NA = Not Applicable)

#	Conformance Item	VOA GC/MS	VOA GC	SV GC/MS	SV GC	Metals	Wet Chem
1	GC/MS Tune		NA		NA	NA	NA
2	Initial Calibration		X				
3	Continuing Calibration		X				
4	Surrogate Recovery		X			NA	NA
5	Holding Time		X				
6	Method Accuracy		X				
7	Method Precision		X				

8 Blank Contamination - List/ND (None Detected)/\*(See Comments)

VOA: ND

SV:

Metals:

Wet Chem:

9 Comments: