



GETTLER-RYAN Inc.

June 27, 1997

Job #5110.80

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

Re: Second Quarter Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, California

Dear Mr. Briggs:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On May 23, 1997, field personnel were on-site to monitor fourteen wells (MW-4 through MW-17) and sample ten wells (MW-4, MW-5, MW-7, MW-8, MW-10, MW-12, and MW-14 through MW-17) at the Former Chevron Service Station #9-0260 located at 21995 Foothill Boulevard in Hayward, California.

Static groundwater levels were measured on May 23, 1997. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. Separate-phase removal (history) information is presented in Table 2. A potentiometric map is included as Figure 1.

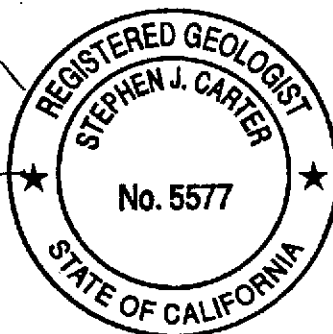
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented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

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

Sincerely,

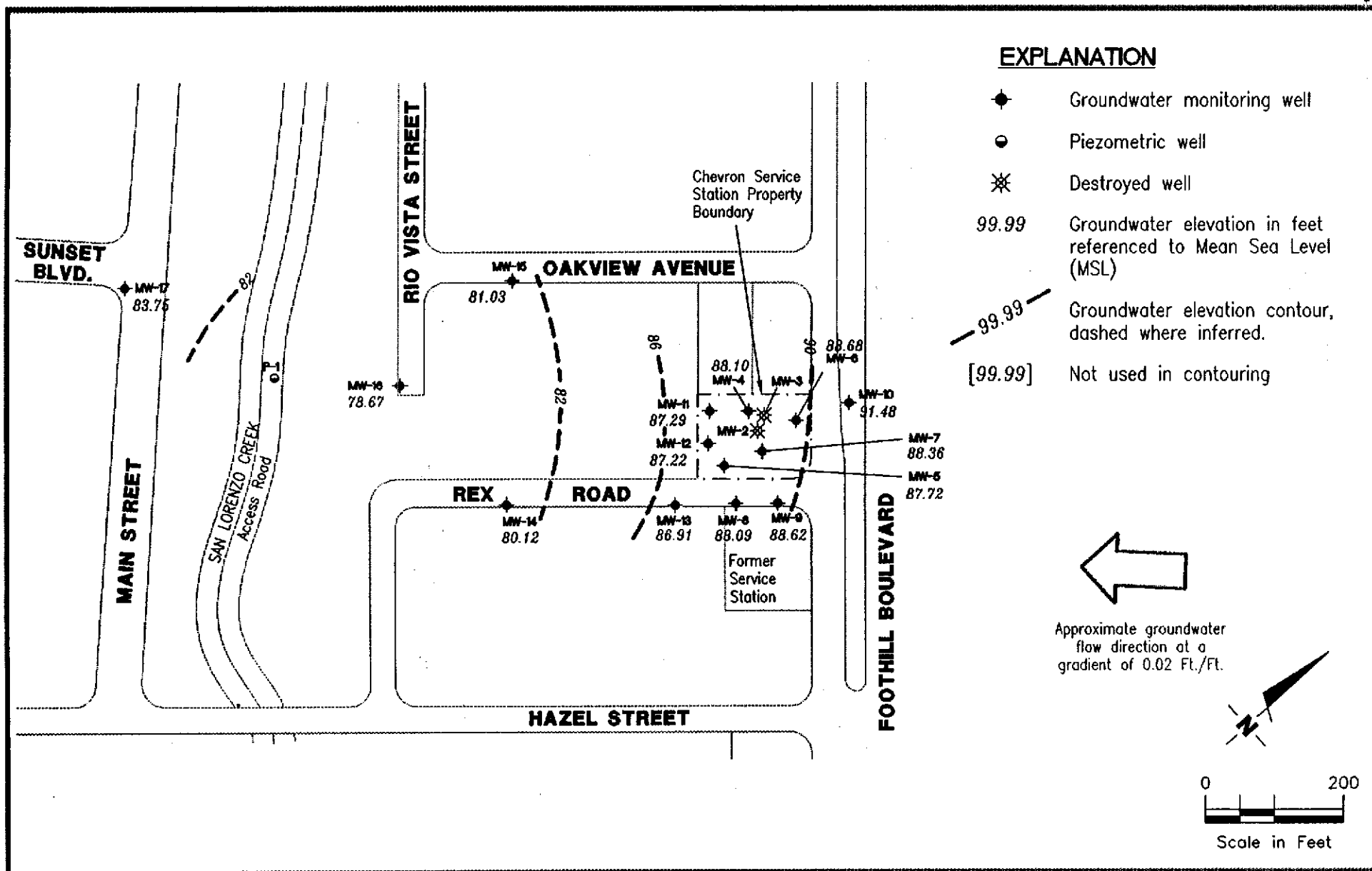
Deanna L. Harding
Project Coordinator

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



DLH/SJC/ah
5110.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Table 2: Separate-phase Removal Data
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Gettler - Ryan Inc.

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

POTENTIOMETRIC MAP
 Chevron Service Station No. 9-0260
 21995 Foothill Boulevard
 Hayward, California

FIGURE

1

JOB NUMBER
 5110

REVIEWED BY

DATE
 May 23, 1997

REVISED DATE



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B T E X MTBE				
						←-----ppb----->				
MW-4	2/5/88	---	---	0	88,000	24,000	19,000	1,700	10,000	---
	6/15/88	12.92	87.83	0	95,000	45,000	30,000	2,100	17,000	---
	100.75 9/27/88 ^{1,2}	14.22	86.53	0	500,000	41,000	27,000	<5,000	16,000	---
	9/27/88 ^{1,3,4}	---	---	0	88,000	1,200	4,100	1,600	12,000	---
	1/5/89	13.20	87.55	0	64,000	41,000	29,000	2,700	14,000	---
	4/6/89	12.32	88.43	---	---	---	---	---	---	---
	6/28/89	14.25	86.50	0	110,000	34,000	24,000	2,400	13,000	---
	10/3/89	14.75	86.00	0	240,000	36,000	31,000	3,200	19,000	---
	1/4/90	14.75	86.00	0	130,000	33,000	28,000	2,400	14,000	---
	4/3/90	13.81	86.94	0	110,000	41,000	32,000	2,900	17,000	---
100.73	7/3/90	14.06	86.69	0	180,000	32,000	30,000	2,600	15,000	---
	11/6/90	15.66	85.09	0	170,000	31,000	30,000	2,700	17,000	---
	1/4/91	15.18	85.87	---	---	---	---	---	---	---
	4/3/91	11.00	89.75	0	130,000	21,000	24,000	2,300	14,000	---
	7/2/91	14.25	86.50	---	---	---	---	---	---	---
	10/2/91	16.16	84.59	0	240,000	27,000	33,000	2,600	16,000	---
	1/2/92	15.26	85.49	---	---	---	---	---	---	---
	4/7/92	12.38	88.37	---	---	---	---	---	---	---
	8/13/92	16.68	84.05	---	---	---	---	---	---	---
	12/3/92	16.17	84.58	---	1,300,000	17,000	41,000	12,000	90,000	---
	3/25/93	10.50	90.23	---	---	---	---	---	---	---
	10/4/94	12.84	87.89	0	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	11.37	89.36	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	12.30	88.43	0	---	---	---	---	---	---
	11/28/95	14.65	86.08	0	97,000	23,000	18,000	1,400	8,800	430
	2/20/96 ¹¹	7.90	92.83	0	---	---	---	---	---	---
	5/29/96	11.00	89.73	0	59,000	11,000	11,000	740	4,400	<500
	8/27/96	13.24	87.49	0	---	---	---	---	---	---
	11/22/96	11.50	89.23	0	130,000	20,000	14,000	1,200	7,000	21,000
	2/18/97	9.47	91.26	0	---	---	---	---	---	---
	5/23/97	12.63	88.10	0	120,000 ¹²	23,000	21,000	1,400	8,400	50,000
MW-5	2/5/88	---	---	0	80,000	16,000	15,000	2,600	17,000	---
	6/15/88	12.30	87.67	0	77,000	42,000	38,000	2,500	16,000	---
	99.97 9/27/88 ^{1,2}	13.25	86.72	0	470,000	39,000	32,000	<5,000	16,000	---
	9/27/88 ^{1,3}	---	---	---	48,000	1,800	3,500	1,600	10,000	---
	1/5/89	12.70	87.27	0	82,000	44,000	37,000	2,400	14,000	---
	4/6/89	12.22	87.75	---	---	---	---	---	---	---
	6/28/89	13.81	86.16	0	80,000	36,000	24,000	2,400	13,000	---
	10/3/89	14.27	85.70	0	240,000	40,000	35,000	2,600	15,000	---
	1/4/90	14.31	85.66	0	130,000	37,000	31,000	2,400	13,000	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-5 (cont)	4/3/90	13.50	86.47	0	120,000	41,000	33,000	2,500	14,000	---
	7/3/90	13.64	86.33	0	200,000	28,000	25,000	1,800	10,000	---
	11/6/90	15.14	84.83	0	370,000	38,000	36,000	4,700	31,000	---
	1/4/91	14.90	85.08	0.01	---	---	---	---	---	---
	4/3/91	11.56	88.41	0	140,000	36,000	32,000	2,700	17,000	---
	7/2/91	13.89	86.08	0	---	---	---	---	---	---
	10/2/91	15.26	84.71	0	230,000	34,000	31,000	2,700	16,000	---
	1/2/92	14.97	85.00	0	---	---	---	---	---	---
	4/7/92	13.44	86.53	0	220,000	35,000	30,000	2,500	14,000	---
	8/13/92	15.61	84.36	0	---	---	---	---	---	---
	12/3/92	16.29	83.68	<0.02 ⁶	---	---	---	---	---	---
	3/25/93	10.97	89.00	0	---	---	---	---	---	---
	6/23/93	12.60	87.40	0.04	---	---	---	---	---	---
	9/21/93	14.00	85.99	0.03	---	---	---	---	---	---
	12/2/93	14.27	85.73	0.04	---	---	---	---	---	---
	3/8/94	12.16	87.81	0	---	---	---	---	---	---
	6/13/94	13.01	87.22	0.32	---	---	---	---	---	---
	10/4/94	15.56	84.41	0	---	---	---	---	---	---
	11/14/94	13.35	86.62	0	1,100,000	64,000	69,000	9,200	61,000	---
	5/15/95	10.18	89.79	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	11.77	88.20	0	---	---	---	---	---	---
	11/28/95	14.22	85.75	0	320,000	34,000	38,000	5,800	31,000	2,000
	2/20/96 ¹¹	10.37	89.60	Sheen	---	---	---	---	---	---
	5/29/96	10.89	89.08	0	150,000	23,000	25,000	2,200	12,000	<500
	8/27/96	12.75	87.22	0	---	---	---	---	---	---
	11/22/96	12.47	87.50	0	170,000	25,000	27,000	2,000	12,000	<500
	2/18/97	9.51	90.46	0	---	---	---	---	---	---
	5/23/97	12.25	87.72	0	160,000	29,000	34,000	2,900	16,000	<250
MW-6 101.43	2/5/88	---	---	0	53,000	5,100	4,400	2,100	14,000	---
	6/15/88	13.51	87.92	0	33,000	9,200	5,500	520	20,000	---
	9/27/88 ¹	14.56	86.87	0	17,000	2,200	2,800	1,700	5,100	---
	1/5/89	13.48	87.95	0	37,000	5,000	3,400	2,200	10,000	---
	4/6/89	12.60	88.83	0	---	---	---	---	---	---
	6/28/89	14.58	86.85	0	80,000	7,000	4,100	2,000	9,700	---
	10/3/89	13.03	88.40	0	110,000	8,500	5,100	2,600	14,000	---
	1/4/90	15.08	86.35	0	59,000	5,200	2,600	2,000	11,000	---
	4/3/90	14.06	87.37	0	31,000	6,600	2,600	2,200	12,000	---
	7/3/90	14.28	87.15	0	66,000	5,800	2,900	2,000	9,800	---
	11/6/90	16.10	85.33	0	---	---	---	---	---	---
	1/4/91	15.52	85.91	---	50,000	5,600	2,200	1,800	9,400	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	<-----ppb----->					MTBE
						B	T	E	X		
MW-6 (cont)	4/3/91	11.03	90.40	0	---	---	---	---	---	---	
	7/2/91	14.44	86.99	0	81,000	11,000	2,700	2,100	13,000	---	
	10/2/91	16.22	85.21	0	---	---	---	---	---	---	
	1/2/92	15.71	85.72	0	67,000	7,500	1,900	1,800	9,500	---	
	4/7/92	13.47	87.96	0	---	---	---	---	---	---	
	8/13/92	15.97	85.46	0	---	---	---	---	---	---	
	12/3/92	16.62	84.81	---	---	---	---	---	---	---	
	3/25/93	10.58	90.85	0	110,000	12,000	2,900	4,200	14,000	---	
	6/23/93	13.01	88.42	0	---	---	---	---	---	---	
	9/21/93	14.74	86.69	0	62,000	12,000	1,400	2,100	12,000	---	
	12/2/93	14.87	86.56	0	---	---	---	---	---	---	
	3/8/94	12.04	89.39	0	61,000	7,000	1,500	1,500	7,400	---	
	6/13/94	13.37	88.06	0	---	---	---	---	---	---	
	10/4/94	15.56	85.87	0	78,000	13,000	940	1,900	10,000	---	
	11/14/94	13.53	87.90	0	---	---	---	---	---	---	
	5/15/95	10.53	90.90	0	---	---	---	---	---	---	
	8/4/95	12.38	89.05	0	51,000	8,600	1,400	1,900	7,800	---	
	11/28/95 ¹¹	14.63	86.80	0	---	---	---	---	---	---	
	2/20/96	9.72	91.71	0	59,000	11,000	1,600	2,100	9,400	<500	
	5/29/96 ¹¹	10.94	90.49	0	---	---	---	---	---	---	
	8/27/96	13.40	88.03	0	84,000	11,000	960	2,300	7,700	<500	
	11/22/96	12.90	88.53	0	---	---	---	---	---	---	
	2/18/97	10.01	91.42	0	14,000	3,700	160	720	1,800	400	
	5/23/97	12.75	88.68	0	---	---	---	---	---	---	
MW-7 100.91	2/5/88	---	---	---	81,000	34,000	36,000	2,400	16,000	---	
	6/15/88	12.57	88.34	---	77,000	40,000	41,000	1,400	24,000	---	
	9/27/88 ^{1,7}	13.60	87.31	---	30,000	9,700	8,900	400	4,100	---	
	1/5/89	12.98	87.93	---	96,000	36,000	38,000	2,800	16,000	---	
	4/6/89	12.34	88.57	---	---	---	---	---	---	---	
	6/28/89	14.08	86.83	---	110,000	31,000	30,000	2,600	16,000	---	
	10/3/89	14.53	86.38	---	230,000	34,000	34,000	2,400	15,000	---	
	1/4/90	14.49	86.42	---	150,000	41,000	40,000	2,400	15,000	---	
	4/3/90	13.66	87.25	---	100,000	31,000	28,000	2,100	16,000	---	
	7/3/90	13.86	87.05	---	190,000	30,000	27,000	1,800	13,000	---	
	11/6/90	15.58	85.33	---	160,000	27,000	25,000	1,900	15,000	---	
	1/4/91	15.25	85.66	---	---	---	---	---	---	---	
	4/3/91	11.41	89.50	---	240,000	40,000	36,000	2,400	18,000	---	
	7/2/91	14.18	86.73	---	---	---	---	---	---	---	
	10/2/91	15.78	85.13	---	220,000	26,000	27,000	2,500	18,000	---	
	1/2/92	15.45	85.46	---	---	---	---	---	---	---	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-7 (cont)	4/7/92	13.48	87.43	---	260,000	27,000	26,000	2,400	15,000	---
	8/13/92	15.89	85.02	---	---	---	---	---	---	---
	12/3/92	16.43	84.48	---	330,000	29,000	31,000	3,300	18,000	---
	3/25/93	11.10	89.81	---	---	---	---	---	---	---
	6/23/93	13.63	88.13	1.06	---	---	---	---	---	---
	9/21/93	14.88	86.57	0.67	---	---	---	---	---	---
	12/2/93	14.74	86.32	0.19	---	---	---	---	---	---
	3/8/94	12.37	88.54	0	---	---	---	---	---	---
	6/13/94	13.12	88.03	0.30	---	---	---	---	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94	13.83	87.22 ¹²	0.18	---	---	---	---	---	---
	5/15/95	11.07	89.85	0.01	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	12.53	88.38	0	---	---	---	---	---	---
	11/28/95	14.62	86.53 ¹²	0.30	---	---	---	---	---	---
	2/20/96 ¹¹	10.09	90.84 ¹²	0.02	---	---	---	---	---	---
	5/29/96	10.93	90.00 ¹²	0.02	---	---	---	---	---	---
	8/27/96	12.75	88.18 ¹²	0.02	---	---	---	---	---	---
	11/22/96	12.99	87.94 ¹²	0.02	---	---	---	---	---	---
	2/18/97	9.58	91.33	0.01	---	---	---	---	---	---
	5/23/97	12.55	88.36	0.00	8,300	210	580	130	1,400	<250
MW-8 99.67	10/27/88	---	---	---	190,000	27,000	43,000	2,200	15,000	---
	1/5/89	12.02	87.65	---	87,000	24,000	39,000	3,000	15,000	---
	4/6/89	11.78	87.89	---	---	---	---	---	---	---
	6/28/89	13.40	86.27	---	120,000	22,000	35,000	2,900	16,000	---
	10/3/89	13.84	85.92	0.11	---	---	---	---	---	---
	1/4/90	13.99	85.76	0.10	---	---	---	---	---	---
	4/3/90	13.07	86.84	0.30	---	---	---	---	---	---
	7/3/90	13.11	86.59	0.04	---	---	---	---	---	---
	11/6/90	14.77	85.02	0.15	---	---	---	---	---	---
	1/4/91	14.59	85.22	0.18	---	---	---	---	---	---
	4/3/91	11.53	88.18	0.05	---	---	---	---	---	---
	7/2/91	13.71	86.34	0.48	---	---	---	---	---	---
	10/2/91	14.84	85.05	0.27	---	---	---	---	---	---
	1/2/92	15.05	84.86	0.30	---	---	---	---	---	---
	4/7/92	12.17	87.73	0.29	---	---	---	---	---	---
	8/13/92	14.96	84.96	0.31	---	---	---	---	---	---
	12/3/92	15.85	84.44	0.78	---	---	---	---	---	---
	3/25/93	10.78	88.89	---	---	---	---	---	---	---
	6/23/93	12.27	87.60	0.25	---	---	---	---	---	---
	9/21/93	13.68	86.25	0.32	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

California (Continued)										
Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
<-----ppb----->										
MW-8 (cont)	12/2/93	14.00	85.86	0.24	---	---	---	---	---	---
	3/8/94	11.84	87.83	0	---	---	---	---	---	---
	6/13/94	12.11	87.58	0.03	---	---	---	---	---	---
	10/4/94	14.20	85.47	0	---	---	---	---	---	---
	11/14/94	14.06	85.61	0	140,000	12,000	36,000	2,400	17,000	---
	5/15/95	9.95	89.72	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	11.14	88.53	0	---	---	---	---	---	---
	11/28/95	13.32	86.35	0	100,000	6,900	34,000	2,700	16,000	650
	2/20/96 ¹¹	10.00	89.67	0	---	---	---	---	---	---
	5/29/96	10.30	89.37	0	130,000	8,800	30,000	2,300	14,000	<500
	8/27/96	12.25	87.42	0	---	---	---	---	---	---
	11/22/96	12.01	87.66	0	150,000	7,400	33,000	2,400	14,000	<500
	2/18/97	9.11	90.56	0	---	---	---	---	---	---
	5/23/97	11.58	88.09	0	140,000	11,000	38,000	3,200	18,000	<250
MW-9 101.15	10/27/88	---	---	---	50,000	2,000	9,900	2,000	14,000	---
	1/5/89	12.63	88.52	0	55,000	670	8,900	3,400	16,000	---
	4/6/89	12.46	88.69	0	---	---	---	---	---	---
	6/28/89	14.04	87.11	0	100,000	510	4,500	2,600	13,000	---
	10/3/89	14.61	86.54	0	130,000	540	8,000	3,200	17,000	---
	1/4/90	14.59	86.56	0	83,000	600	4,600	2,600	14,000	---
	4/3/90	13.75	87.40	0	52,000	1,600	5,400	3,100	16,000	---
	7/3/90	13.84	87.31	0	100,000	520	5,400	3,200	16,000	---
	11/6/90	15.42	85.73	0	---	---	---	---	---	---
	1/4/91	15.37	85.78	0	59,000	1,100	5,600	2,500	13,000	---
	4/3/91	12.27	88.88	0	---	---	---	---	---	---
	7/2/91	14.17	86.98	0	130,000	1,900	7,600	3,600	20,000	---
	10/2/91	15.68	85.47	0	---	---	---	---	---	---
	1/2/92	15.65	85.50	0	100,000	3,300	8,200	2,800	14,000	---
	4/7/92	13.84	87.31	0	---	---	---	---	---	---
	8/13/92	15.50	85.65	0	45,000	1,300	3,000	1,500	7,100	---
	12/3/92	16.66	84.49	0	---	---	---	---	---	---
	3/25/93	11.48	89.67	0	220,000	540	3,200	2,100	18,000	---
	6/23/93	12.83	88.32	0	---	---	---	---	---	---
	9/21/93	14.31	86.84	0	54,000	1,900	3,400	1,700	9,100	---
	12/2/93	14.70	86.46	0.01	---	---	---	---	---	---
	3/8/94	12.63	88.52	0	49,000	800	780	390	3,600	---
	6/13/94	13.65	87.50	0	---	---	---	---	---	---
	10/4/94	15.20	85.95	0	180,000	2,600	5,400	1,700	11,000	---
	11/14/94	14.25	86.90	0	---	---	---	---	---	---
	5/15/95	10.64	90.51	0	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-9 (cont)	8/4/95	11.89	89.26	0	42,000	1,400	2,700	1,700	9,000	---
	11/28/95 ¹¹	13.92	87.23	0	---	---	---	---	---	---
	2/20/96	10.61	90.54	Sheen	41,000	1,600	1,700	750	6,500	<100
	5/29/96 ¹¹	10.81	90.34	0	---	---	---	---	---	---
	8/27/96	12.90	88.25	Sheen	71,000	2,700	3,600	920	5,900	290
	11/22/96	12.88	88.27	0	---	---	---	---	---	---
	2/18/97	9.66	91.49	0.005	78,000	1,800	3,800	2,300	13,000	510
	5/23/97	12.53	88.62	0.00	---	---	---	---	---	---
MW-10 102.36	10/27/88 ¹	---	---	---	<500	26	13	<5	<5	---
	1/5/89	12.64	89.72	0	<1,000	<0.3	<0.3	<0.3	<0.3	---
	4/6/89	11.38	90.98	---	---	---	---	---	---	---
	6/28/89	13.64	88.72	0	<500	<0.5	<0.5	<0.5	<0.5	---
	10/3/89	13.85	88.51	0	<500	<0.5	<0.5	<0.5	<0.5	---
	1/4/90	13.75	88.61	0	<50	0.5	1.1	<0.5	1.7	---
	4/3/90	12.86	89.50	0	<50	<0.5	<0.5	<0.5	<0.5	---
	7/3/90	13.43	88.93	---	---	---	---	---	---	---
	11/6/90	14.82	87.54	---	---	---	---	---	---	---
	1/4/91	13.98	88.38	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/3/91	9.79	92.57	---	---	---	---	---	---	---
	7/2/91	12.28	90.08	---	---	---	---	---	---	---
	10/2/91	14.53	87.83	---	---	---	---	---	---	---
	1/2/92	13.60	88.76	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/7/92	11.83	90.53	---	---	---	---	---	---	---
	8/13/92	13.95	88.41	---	---	---	---	---	---	---
	12/3/92	13.96	88.40	---	---	---	---	---	---	---
	3/25/93	8.45	93.91	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	11.60	91.03	0	---	---	---	---	---	---
	9/21/93	13.32	89.31	0	---	---	---	---	---	---
	12/2/93	13.27	89.36	0	---	---	---	---	---	---
	3/8/94	10.85	91.51	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	---	---	---	---	---	---	---	---	---
	10/4/94	13.90	88.46	0	---	---	---	---	---	---
	11/14/94	11.80	90.56	0	<50	<0.5	<0.5	<0.5	<0.5	---
	5/15/95	8.98	93.38	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	10.44	91.92	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	13.55	88.81	0	<50	1.6	0.81	<0.5	<0.5	<0.60
	2/20/96	8.52	93.84	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	9.20	93.16	0	<50	<0.5	<0.5	<0.5	0.9	<5.0
	8/27/96	12.01	90.35	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE ----->
MW-10 (cont)	11/22/96	11.52	90.84	0	<50	<0.5	<0.5	<0.5	1.0	<5.0
	2/18/97	8.49	93.87	0	<50	0.7	<0.5	<0.5	<0.5	<5.0
	5/23/97	10.88	91.48	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-11	6/28/89	14.33	85.64	0	60,000	36,000	13,000	2,500	12,000	---
	10/3/89	14.61	85.36	0	14,000	4,200	1,400	240	1,300	---
	1/4/90	14.55	85.42	0	82,000	33,000	11,000	2,000	10,000	---
99.97	4/3/90	13.82	86.15	0	78,000	35,000	12,000	2,300	12,000	---
	7/3/90	14.00	85.97	0	140,000	32,000	12,000	2,100	10,000	---
	11/6/90	15.56	84.41	0	---	---	---	---	---	---
	1/4/91	14.88	---	0.30	---	---	---	---	---	---
	4/3/91	10.75	---	0.21	340,000	29,000	14,000	3,700	24,000	---
	7/2/91	13.97	---	0.02	130,000	27,000	14,000	2,200	12,000	---
	10/2/91	15.60	---	---	---	---	---	---	---	---
	1/2/92	14.51	85.46	0	77,000	18,000	14,000	1,900	10,000	---
	4/7/92	13.13	86.84	0	---	---	---	---	---	---
99.57	8/13/92	17.04	82.53	---	---	---	---	---	---	---
	12/3/92	15.59	83.98	---	---	---	---	---	---	---
	3/25/93	10.06	89.51	---	110,000	13,000	2,100	5,900	9,800	---
	3/8/94	11.70	87.87	0	---	---	---	---	---	---
	6/13/94	12.16	87.41	0	---	---	---	---	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---	---
	5/15/95	10.02	89.55	---	---	---	---	---	---	---
	8/4/95	11.82	87.75	0	33,000	9,400	3,000	1,800	6,100	---
11/28/95 ¹¹	---	16.72	82.85	0	---	---	---	---	---	---
	2/20/96	10.00	89.57	0	22,000	4,500	2,200	560	3,500	<120
	5/29/96 ¹¹	11.14	88.43	0	---	---	---	---	---	---
	8/27/96	13.13	86.44	0	85,000	10,000	6,600	1,500	6,500	260
	11/22/96	12.10	87.47	0	---	---	---	---	---	---
	2/18/97	9.23	90.34	0	42,000	7,100	3,100	830	4,200	510
5/23/97	---	12.28	87.29	0	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
MW-12	6/28/89	14.10	85.54	0	55,000	30,000	21,000	2,900	19,000	---
	10/3/89	14.30	85.34	0	170,000	30,000	23,000	2,700	15,000	---
	1/4/90	14.35	85.29	0	110,000	24,000	19,000	2,300	12,000	---
99.64	4/3/90	13.59	86.05	0	89,000	41,000	28,000	3,300	17,000	---
	7/3/90	13.77	85.87	0	170,000	27,000	20,000	2,200	12,000	---
	11/6/90	15.19	84.45	0.06	110,000	28,000	21,000	2,400	14,000	---
	1/4/91	14.52	---	---	---	---	---	---	---	---
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Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	<-----ppb----->					MTBE
						B	T	E	X		
MW-12 (cont)	4/3/91	10.91	---	---	---	---	---	---	---	---	---
	4/9/91	---	---	0	170,000	39,000	17,000	2,400	14,000	---	---
99.22	7/2/91	13.51	---	0	---	---	---	---	---	---	---
	10/2/91	14.93	---	---	170,000	27,000	15,000	2,600	17,000	---	---
	1/2/92	14.45	85.19	0	---	---	---	---	---	---	---
	4/7/92	13.05	86.59	0	---	---	---	---	---	---	---
	8/13/92	17.39	81.83	0	---	---	---	---	---	---	---
	12/3/92	15.34	83.88	0	2,400,000	19,000	21,000	14,000	110,000	---	---
	3/25/93	10.37	88.85	0	---	---	---	---	---	---	---
	6/23/93	12.21	87.01	0	110,000	30,000	19,000	2,000	12,000	---	---
	3/8/94	11.95	87.27	0	---	---	---	---	---	---	---
	6/13/94	12.35	86.87	0	62,000	6,600	6,900	2,400	9,900	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---	---
	5/15/95	10.06	89.16	0	<50	<0.5	<0.5	<0.5	<0.5	---	---
	8/4/95	11.60	87.62	0	---	---	---	---	---	---	---
	11/28/95	16.63	82.59	0	110,000	26,000	22,000	2,300	12,000	1,100	---
	2/20/96 ¹¹	11.10	88.12	0	---	---	---	---	---	---	---
	5/29/96	11.48	87.74	0	120,000	18,000	18,000	2,000	11,000	710	---
	8/27/96	12.50	86.72	0	---	---	---	---	---	---	---
	11/22/96	12.92	86.30	0	160,000	24,000	22,000	1,900	11,000	980	---
	2/18/97	9.20	90.02	---	---	---	---	---	---	---	---
	5/23/97	12.00	87.22	0	130,000 ¹⁴	27,000	22,000	2,700	15,000	6,200	---
MW-13	6/28/89	13.22	85.25	0	54,000	12,000	10,000	1,900	15,000	---	---
	10/3/89	13.54	84.93	0	120,000	10,000	10,000	2,300	15,000	---	---
98.47	1/4/90	13.64	84.83	0	87,000	6,800	10,000	2,000	12,000	---	---
	4/3/90	12.95	85.52	0	53,000	12,000	14,000	2,900	17,000	---	---
	7/3/90	13.05	85.42	0	90,000	8,400	11,000	2,000	11,000	---	---
	11/6/90	14.12	84.35	---	---	---	---	---	---	---	---
	1/4/91	14.05	84.42	0	72,000	5,500	12,000	2,300	12,000	---	---
	4/3/91	11.41	87.06	---	---	---	---	---	---	---	---
	7/2/91	13.17	85.30	0	120,000	12,000	13,000	2,500	14,000	---	---
	10/2/91	14.24	84.23	---	---	---	---	---	---	---	---
	1/2/92	14.13	84.34	0.03	---	---	---	---	---	---	---
	4/7/92	13.06	85.41	---	---	---	---	---	---	---	---
	8/13/92	14.26	84.21	0	84,000	7,400	11,000	2,600	13,000	---	---
	12/3/92	14.82	83.65	---	---	---	---	---	---	---	---
	3/25/93	10.73	87.74	0	97,000	5,200	2,500	7,200	12,000	---	---
	6/23/93	11.97	86.50	0	---	---	---	---	---	---	---
	9/21/93	13.08	85.39	0	80,000	7,600	9,000	2,900	14,000	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	<-----ppb----->					MTBE
						B	T	E	X		
MW-13 (cont)	12/2/93	13.45	85.02	0	—	—	—	—	—	—	
	3/8/94	11.75	86.72	0	78,000	5,300	7,600	2,600	10,000	—	
	6/13/94	12.30	86.17	0	—	—	—	—	—	—	
	10/4/94	14.18	84.29	0	39,000	2,300	2,700	850	4,600	—	
	11/14/94	12.62	85.85	0	—	—	—	—	—	—	
	5/15/95	9.93	88.54	—	—	—	—	—	—	—	
	8/4/95	11.08	87.39	0	47,000	7,700	10,000	2,900	10,000	—	
	11/28/95 ¹¹	12.95	85.52	0	—	—	—	—	—	—	
	2/20/96	9.86	88.61	0	59,000	5,500	5,500	2,900	8,800	<120	
	5/29/96 ¹¹	10.30	88.17	0	—	—	—	—	—	—	
	8/27/96	11.97	86.50	0	65,000	3,500	2,800	2,200	6,900	200	
	11/22/96	11.71	86.76	0	—	—	—	—	—	—	
	2/18/97	9.16	89.31	0	69,000	4,500	4,100	2,500	7,900	310	
5/23/97	11.56	86.91	0	—	—	—	—	—	—		
MW-14 99.68	8/29/90 ⁸	21.39	78.29	0	970	4	2	0.7	2	—	
	11/6/90	21.62	78.06	0	920	10	10	4	9	—	
	1/4/91	21.69	77.99	0	1,000	<0.5	4.0	2.6	4.2	—	
	4/3/91	19.53	80.15	0	1,200	380	6	7	18	—	
	7/2/91	20.93	78.75	0	460	27	1.0	1.2	1.0	—	
	10/2/91	21.52	78.16	0	480	6.7	0.8	1.4	1.8	—	
	1/2/92	21.43	78.25	0	1,100	2.4	1.5	6.2	18	—	
	4/7/92	21.36	78.32	0	290	<0.5	1.4	<0.5	1.2	—	
	8/13/92	21.07	78.61	0	370	10	1.2	<0.5	0.9	—	
	12/3/92	21.67	78.01	0	230	1.3	<0.5	<0.5	<0.5	—	
	3/25/93	19.03	80.65	0	390	57	2.1	1.3	1.7	—	
	6/23/93	19.94	79.74	0	4,400	460	220	16	62	—	
	9/21/93	20.65	79.03	0	680	8.7	1.7	3.2	12	—	
	12/2/93	21.05	78.63	0	900	0.8	7	3	7	—	
	3/8/94	20.05	79.63	0	1,700	2.4	7.7	5.6	14	—	
	6/13/94	20.21	79.47	0	750	0.8	8.0	3.2	5.7	—	
	10/4/94	20.70	78.98	0	130	3.4	5.4	<0.5	2.0	—	
	11/14/94	20.00	79.68	0	9,900	620	1,600	120	920	—	
	5/15/95	18.49	81.19	0	<50	<0.5	<0.5	<0.5	<0.5	—	
	8/4/95	19.38	80.30	0	1,000	170	58	6.6	20	—	
	11/28/95	20.33	79.35	0	1,500	300	72	65	190	<6.0	
	2/20/96	16.96	82.72	0	70	<0.5	<0.5	<0.5	<0.5	<5.0	
	5/29/96	18.58	81.10	0	1,600	170	39	5.0	21	6.3	
	8/27/96	19.79	79.89	0	80	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/22/96	19.55	80.13	0	620	49	13	7.2	22	210	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
<-----ppb----->										
MW-14 (cont)	2/18/97	17.31	82.37	0	190	14	9.6	3.1	15	<5.0
	5/23/97	19.56	80.12	0	130	18	16	3.4	17	<5.0
MW-15 96.06	8/29/90 ⁹	16.58	79.48	0	2,000	26	2	72	110	---
	11/6/90	17.43	78.63	0	1,300	40	5	45	63	---
	1/4/91	16.37	79.69	0	1,700	46	2.8	58	86	---
	4/3/91	12.46	83.60	0	2,100	74	0.8	44	85	---
	7/2/91	16.53	79.53	0	1,700	39	<0.5	35	46	---
	10/2/91	17.33	78.73	0	1,100	50	<0.5	40	33	---
	1/2/92	16.46	79.60	0	1,300	51	<0.5	30	30	---
	4/7/92	14.70	81.36	0	2,600	98	<5	64	36	---
	8/13/92	16.72	79.34	0	510	55	<0.5	35	2.8	---
	12/3/92	17.43	78.63	0	1,000	64	0.9	22	4.4	---
	3/25/93	13.33	82.73	0	1,300	86	52	0.7	7.7	---
	6/23/93	15.23	80.83	0	7,300	34	<0.5	85	160	---
	9/21/93	16.32	79.74	0	1,500	39	<0.5	32	33	---
	12/2/93	16.57	79.49	0	990	28	4	8	10	---
	3/8/94	14.61	81.45	0	3,400	44	4.0	28	53	---
	10/4/94	16.48	79.58	0	310	11	10	2.2	12	---
	11/14/94	14.20	81.86	0	450	27	2.4	2.2	4.2	---
	5/15/95	13.38	82.68	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	14.91	81.15	0	<50	0.6	<0.5	<0.5	0.8	---
	11/28/95	16.12	79.94	0	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	10.98	85.08	0	1,600	25	0.5	20	38	16
	5/29/96 ¹¹	---	---	---	---	---	---	---	---	---
	8/27/96	15.44	80.62	0	80	<0.5	<0.5	<0.5	0.7	<5.0
	11/22/96	14.49	81.57	0	1,500	14	<0.5	6.1	12	7.2
	2/18/97	12.17	83.89	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/23/97	15.03	81.03	0	130	20	9.7	0.9	1.5	<5.0
MW-16 98.15	8/29/90	20.89	77.26	0	11,000	6,000	51	1,100	20	---
	11/6/90	21.27	76.88	0	15,000	6,300	340	1,300	540	---
	1/4/91	21.63	76.52	0	16,000	6,800	820	1,300	1,500	---
	4/3/91	19.32	78.83	0	45,000	7,300	2,200	1,800	4,900	---
	7/2/91	20.68	77.47	0	30,000	6,400	530	1,500	1,800	---
	10/2/91	21.18	76.97	0	24,000	4,600	450	1,400	1,600	---
	1/2/92	21.30	76.85	0	20,000	4,700	240	1,200	1,100	---
	4/7/92	20.19	77.96	0	40,000	5,000	980	1,100	2,100	---
	8/13/92	20.77	77.38	0	17,000	4,500	240	860	530	---
	12/3/92	21.44	76.71	0	39,000	4,600	410	1,100	2,200	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE >-----
MW-16 (cont)	3/25/93	18.83	79.32	0	39,000	5,500	1,400	690	2,000	---
	6/23/93	19.72	78.43	0	29,000	6,600	1,200	1,400	3,700	---
	9/21/93	20.38	77.77	0	36,000	6,300	340	1,200	1,800	---
	12/2/93	20.84	77.31	0	28,000	5,600	230	900	820	---
	3/8/94	20.27	77.88	0	35,000	6,500	760	1,000	1,300	---
	10/4/94	20.58	77.57	0	39,000	9,700	680	1,300	3,300	---
	11/14/94	20.12	78.03	0	26,000	5,500	640	690	1,800	---
	5/15/95	18.16	79.99	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	19.30	78.85	0	23,000	6,200	1,900	1,500	4,500	---
	11/28/95	20.42	77.73	0	38,000	6,200	1,700	1,800	5,700	<120
	2/20/96	16.40	81.75	0	46,000	6,600	2,200	2,400	7,300	<250
	5/29/96	18.54	79.61	0	54,000	6,300	1,600	2,200	7,900	<250
	8/27/96	19.42	78.73	0	45,000	4,100	260	1,600	2,800	<250
	11/22/96	19.36	78.79	0	36,000	3,500	120	1,400	1,500	260
	2/18/97	17.22	80.93	0	62,000	5,800	1,300	2,200	8,900	160
	5/23/97	19.48	78.67	0	32,000	4,000	370	1,900	2,900	<250
MW-17 106.00	8/13/92	23.30	82.70	0	<50	<0.5	<0.5	<0.5	<0.5	---
	12/3/92	24.74	81.26	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/25/93	22.14	83.86	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	23.02	82.98	0	<50	<0.5	<0.5	<0.5	1	---
	9/21/93	23.09	82.91	0	<50	<0.5	<0.5	<0.5	<0.8	---
	12/2/93	23.37	82.63	0	---	---	---	---	---	---
	3/8/94	22.83	83.17	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	22.62	83.38	0	<50	1.2	1.1	<0.5	0.9	---
	10/4/94	23.00	83.00	0	62	8.0	2.9	0.7	3.1	---
	11/14/94	23.03	82.97	0	550	22	120	8.9	84	---
	5/15/95	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	22.37	83.63	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	22.97	83.03	0	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	21.78	84.22	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	22.43	83.57	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	22.82	83.18	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/18/97	21.31	84.69	0	140	34	11	1.6	7.7	71
	5/23/97	22.25	83.75	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
P-1 86.43	8/13/92	10.02	76.41	0	---	---	---	---	---	---
	12/3/92	10.80	75.63	0	---	---	---	---	---	---
	3/25/93	8.95	77.48	0	---	---	---	---	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE >-----
Rinsecat	1/5/89	--	--	--	<1,000	<0.3	<0.3	<0.3	<0.3	--
	3/8/94	--	--	--	<50	1	1.4	<0.5	1.5	--
TBLB	1/5/89	--	--	--	<1,000	<0.3	<0.3	<0.3	<0.3	--
	10/3/89	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
	1/4/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	4/3/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	7/3/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/6/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	1/4/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	4/3/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	7/2/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/2/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	1/2/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	4/7/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	8/13/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	12/3/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	3/25/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
	6/23/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	9/21/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
	12/2/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	3/8/94	--	--	--	<50	0.6	0.8	<0.5	0.6	--
	6/13/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	10/4/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/14/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	5/15/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	8/4/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/28/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/18/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/23/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California
(continued)

EXPLANATION:

TOC = Top of Casing
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation in feet above mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary-butyl ether
DCE = 1,2 - Dichloroethane
EDB = Ethylene dibromide
VOCs = Volatile organic compounds
ppb = Parts per billion
--- = Not analyzed/Not applicable

ANALYTICAL METHODS:

Total fuel & aromatic volatile hydrocarbons = EPA Method 524.2/8240
TPH(G) = EPA Method 8015/5030
BTEX = EPA Method 8020
MTBE = EPA Method 8020

NOTES:

Water level elevation data and laboratory analytical results prior to May 15, 1995, were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

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

- ¹ Samples analyzed by Fuel Fingerprint Analysis.
- ² EDB not detected at detection limits of 5,000 ppb.
- ³ Sample was analyzed a second time after the holding time expired to confirm the high TPH-G concentration reported in the original analysis.
- ⁴ DCE and EDB detected at 270 and 230 ppb, respectively.
- ⁵ DCE and EDB detected at 410 and 420 ppb, respectively.
- ⁶ Estimated thickness.
- ⁷ DCE detected at 2,600 ppb. EDB not detected at detection limits of 10 ppb.
- ⁸ DCE was detected at 1 ppb. Other VOCs not detected at detection limits of 0.5 to 4.0 pb.
- ⁹ Chloroform detected, concentration not stated. Other VOCs not detected at detection limits of 25 to 500 ppb.
- ¹⁰ Well not accessible due to down hole equipment.
- ¹¹ Well sampled semi-annually.
- ¹² GWE corrected for the presence of free-phase hydrocarbons using the formula $GWE = [(TOC - DTW) + (0.8)(\text{Product Thickness})]$. 0.8 is the assumed specific gravity of free-phase hydrocarbons.
- ¹³ The TPH as Gasoline value was 99,000 ug/L when MTBE is not included in the calculation.
- ¹⁴ The TPH as Gasoline value was 125,000 ug/L when MTBE is not included in the calculation.



Table 2. Product Thickness and Product Bailed - Former Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

Well ID	Date	Initial Product Thickness (ft)	Gallons Bailed (product + water)
MW-7	11/14/94	0.18	0.50
	11/28/95	0.30	2.0
	2/20/96	0.02	0.0625
	5/29/96	0.02	0.50
	8/27/96	0.02	0.50
	11/22/96	0.02	0.50
	2/18/97	0.01	0.50
	5/23/97	0.00	0.00



STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chae DATE 5-23-97ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0266Well ID MW-4 Well Condition OK

Well Location Description _____

Well Diameter 2" (4") in Hydrocarbon Thickness _____Total Depth 21.5 ftDepth to Liquid 12.3 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.65		

of casing 3X 8.57 x 0.17-0.66 x (VF) 5.85 #Estimated 17.5 gal.
Volume _____Purge Equipment Stack Sampling Equipment Di-Bar ^{purge} Volume _____Did well dewater Yes If yes, Time _____ Volume _____Starting Time 11:18 Purging Flow Rate 1.5 gpm.Sampling Time 11:32

Time	pH	Conductivity	Temperature	Volume
<u>11:23</u>	<u>7.03</u>	<u>181</u>	<u>19.8</u>	<u>6</u>
<u>11:26</u>	<u>7.11</u>	<u>303</u>	<u>20.0</u>	<u>12</u>
<u>11:30</u>	<u>7.16</u>	<u>321</u>	<u>20.0</u>	<u>18</u>
<u>11:32</u>	<u>7.15</u>	<u>318</u>		<u>19</u>

Weather Conditions cloudy, 100% coolWater Color: Clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40-100ml</u>	<u>Y</u>	<u>HCL</u>	<u>GETEL</u>	<u>Ca > BT & 3 MIB</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-5

Well Condition

dry

Well Location Description

Well Diameter

2" (41) in

Hydrocarbon Thickness

Total Depth

1816 ft

Depth to Liquid

12-25 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x 6.55

x 0.17 - 0.66

x (VF)

5.81

Estimated

12.6

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barlow

Did well dewater

NC

If yes, Time

Volume

Starting Time

1137

Purging Flow Rate

1.5

gpm.

Sampling Time

1147

Time

pH

Conductivity

Temperature

Volume

1139

7.10

361

19.5

3

1141

7.11

355

19.5

6

1143

7.12

349

19.5

9

1145

7.10

350

19.6

10

Weather Conditions

Cloudy Rainy Cool

Water Color:

Clear

Odor:

pH 1.6

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-5	3x40mL	Y	FRL	GETL	Ca-BT-3 M122

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Chir.

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0266

Well ID

MW-6

Well Condition

Well Location Description

Well Diameter

2" (1") in

Hydrocarbon Thickness

Total Depth

ft

Depth to Liquid

12.75 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3X

x 0.17 - 0.66 x (VF)

Estimated

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barter

Did well dewater

If yes, Time

Volume

Starting Time

Purging Flow Rate

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-6	3x40-100ml	Y	HCL	GETEL	Ca-BTXE MMS

Comments

Water levels only - Sample Semi-annual
(Feb & Aug.)

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. C. Hill

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0266

Well ID

MW-7

Well Condition

OKAY

Well Location Description

Well Diameter

2" (4") in

Hydrocarbon Thickness

0

Total Depth

18 ft

Depth to Liquid

12-55 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.30

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x 845

x 0.17 - 0.66 x (VF) 3.6

Estimated
purge
Volume

10.9

gal.

Purge Equipment

Stack

Sampling Equipment

Di. Barlow

Did well dewater

NO

If yes, Time

Volume

Starting Time

1203

Purging Flow Rate

1.2

gpm.

Sampling Time

1214

Time

pH

Conductivity

Temperature

Volume

1206

5.45

240

20.2

3.6

1209

5.58

240

20.3

7.2

1212

5.50

251

20.7

10.8

1214

5.49

249

20.5

11.6

Weather Conditions

cloudy cool rainy

Water Color:

Clear

Odor:

Strong

Sediment Description

Mm.

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-7	3x40-100ml	Y	HCL	GETEL	Ca-BTX-3 MMS

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Chirel

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0000

Well ID

MW-8

Well Condition

okay

Well Location Description

Well Diameter

2" (41) in

Hydrocarbon Thickness

0

Total Depth

1814 ft

Depth to Liquid

1158 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x 6082

x

0.17-0.66 x (VF)

7.5

Estimated

13.5

gal.

purge
Volume

Purge Equipment

Stack

Sampling Equipment

Di-Barker

Did well dewater

No

If yes, Time

Volume

Starting Time

1150

Purging Flow Rate

1.5

gpm.

Sampling Time

1201

Time

pH

Conductivity

Temperature

Volume

1153

6.50

151

2013

4.5

1156

6.57

163

2014

9.0

1159

6.65

163

2015

13.5

1201

6.66

162

2016

14.0

Weather Conditions

Rainy cloudy cool

Water Color:

clear

Odor:

none

Sediment Description

M/K/L

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-8	3x40-1004	Y	HCL	GETL	Ca-BTA3 M/K/L

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. C. Hill

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0266

Well ID

MW-9

Well Condition

okay

Well Location Description

Well Diameter

2" - 4" in

Hydrocarbon Thickness

0

Total Depth

ft

Depth to Liquid

12.53 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3X

x 0.17 - 0.66 x (VF)

Estimated

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barker

Did well dewater

If yes, Time

Volume

Starting Time

Purging Flow Rate

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
AWJ -	3x40-100A	Y	HCL	GETEL	Ca-BT-3 N/A

Comments

Water levels only - Sample Semi-Annual (Feb 3 Ag.)



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. C. Hill DATE 5-23-97ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0000Well ID MW-10 Well Condition ok

Well Location Description _____

Well Diameter 2" (4") in Hydrocarbon Thickness 0Total Depth 27.6 ftDepth to Liquid 10.88 ft

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

of casing 3x 16.72 x 0.17-0.66 x (VF) 11.0 #Estimated 33 gal.Purge Equipment Stack Suction Sampling Equipment Di-Barker

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time 7:25 Purging Flow Rate 3.7 1.85 gpm.Sampling Time 7:32

Time	pH	Conductivity	Temperature	Volume
<u>7:21</u>	<u>7.61</u>	<u>276</u>	<u>20.6</u>	<u>11.1</u>
<u>7:27</u>	<u>7.70</u>	<u>287</u>	<u>20.7</u>	<u>22.2</u>
<u>7:33</u>	<u>7.69</u>	<u>290</u>	<u>20.7</u>	<u>33.3</u>
<u>7:35</u>	<u>7.68</u>	<u>280</u>	<u>20.6</u>	<u>34.0</u>

Weather Conditions Cloudy Rainy coolWater Color: clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-10</u>	<u>3x40.1004</u>	<u>Y</u>	<u>HCL</u>	<u>CoTEL</u>	<u>Ca-BTX3 MW</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Chire

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.83

CITY

Hayward CA

SS#

9-0266

Well ID

MW-11

Well Condition

Well Location Description

Well Diameter

2" (4") in

Hydrocarbon Thickness

Total Depth

ft

Depth to Liquid

12.28 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3X

x 0.17 - 0.66 x (VF)

Estimated

gal.

Purge Equipment

Stack

Sampling Equipment

Di Barker

Did well dewater

If yes, Time

Volume

Starting Time

Purging Flow Rate

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-11	3x40mL vials	Y	HCL	GETEL	Gas BTX 3 M12

Comments

Water levels only - Sample Semi-annual
(Feb & Aug)

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0266

Well ID

MW-12

Well Condition

okay

Well Location Description

Well Diameter

2" (4") in

Hydrocarbon Thickness

0

Total Depth

19' ft

Depth to Liquid

1200 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x 7:00

x

0.17 - 0.66

x(VF)

4.02

Estimated

13.86

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barlow

Did well dewater

No

If yes, Time

Volume

Starting Time

1149

Purging Flow Rate

1.5

gpm.

Sampling Time

1200

Time

pH

Conductivity

Temperature

Volume

1152

7.30

277

19.5

4.5

1155

7.35

276

19.5

9.0

1158

7.34

276

19.4

13.5

1200

7.33

275

19.6

14.0

Weather Conditions

cloudy

rainy

cool

Water Color:

clear

Odor:

Mild

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-12	3x40-1004	Y	FLC	GTBL	Ca-BT-13 M12

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chae DATE 5-23-97ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0266Well ID MW-13 Well Condition dry

Well Location Description _____

Well Diameter 2" - 4" in Hydrocarbon Thickness 0

Total Depth _____ ft

Depth to Liquid 11.50 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.33		
(VF)	4" = 0.66		

of casing 3X x 0.17 - 0.66 x (VF) _____ # Estimated purge Volume _____ gal.Purge Equipment Stack Sampling Equipment Di. Bar

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time _____ Purging Flow Rate _____ gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Weather Conditions _____

Water Color: _____ Odor: _____

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-13</u>	<u>3x40-100ml</u>	<u>Y</u>	<u>HCL</u>	<u>GTCL</u>	<u>Cr>BTEX MTH</u>

Comments Water levels only - Sample Semi-annual (Leaky)



WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0266

Well ID

MW-14

Well Condition

clay

Well Location Description

Well Diameter

(2"-4") in

Hydrocarbon Thickness

0

Total Depth

31 ft

Depth to Liquid

19.56 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

N/A

4" = 0.66

of casing
Volume

3x 11.44

x

0.17-0.66 x(VF) 1.7

#Estimated

5.8

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barlow

Did well dewater

No

If yes, Time

Volume

Starting Time

803

Purging Flow Rate

1

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

805

6.83

283

19.6

2

807

6.83

273

19.6

4

809

6.82

280

19.6

6

811

6.81

279

19.5

7

Weather Conditions

Cloudy Raining

Water Color:

clear

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-14	3x40-100A	Y	FLC	GETEL	Ca-BTEX M12

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Chir.

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-15

Well Condition

179-1

Well Location Description

Well Diameter

2"-4" in

Hydrocarbon Thickness

Total Depth

22 ft

Depth to Liquid

15.03 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3X 6.97

x 0.17-0.66 x (VF)

Estimated
purge
Volume

3.0 gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barter

Did well dewater

No

If yes, Time

Volume

Starting Time

8:19

Purging Flow Rate

1.2

gpm.

Sampling Time

8:29

Time

pH

Conductivity

Temperature

Volume

8:20

6.98

20

15.9

1.2

8:21

6.99

20.5

15.3

2.4

8:22

7.00

20.3

15.1

3.6

8:24

7.01

20.4

15.01

4.8

Weather Conditions

Rain, clouds, cool

Water Color:

Clear

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-15	3x40-1004	Y	FLC	GETEL	Ca-BTX-3 M112

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Chaz.

DATE

5-23-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-16

Well Condition

Clear

Well Location Description

Well Diameter

2" - 4" in

Hydrocarbon Thickness

0

Total Depth

381 ft

Depth to Liquid

19148 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x 18.52

x

(0.17 - 0.66) x (VF)

3.1

Estimated

9.4

gal.

Purge Equipment

Stack

Sampling Equipment

Di-Barber

Did well dewater

No

If yes, Time

Volume

Starting Time

8:34

Purging Flow Rate

1.2

gpm.

Sampling Time

8:45

Time

pH

Conductivity

Temperature

Volume

8:34

6.87

171

18.1

3.6

8:40

6.86

169

18.1

7.1

8:43

6.87

170

18.1

10.8

8:45

6.88

171

18.1

11.0

Weather Conditions

Partly

cloudy

part

Water Color:

clear

Odor:

None

Sediment Description

Mud

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-16	3x40-100ml	Y	HEC	CETL	CO2 BTX3 MTHX

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Chae DATE 5-23-97ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0266Well ID MW-17 Well Condition dry

Well Location Description

Well Diameter 2" - 4" in Hydrocarbon Thickness eTotal Depth 33.6 ftDepth to Liquid 22-25 ft

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

of casing 3x 11.35 x 0.17 - 0.66 x (VF) 1.0 # Estimated 58 gal.Purge Equipment Stack Sampling Equipment Di-BasterDid well dewater NO If yes, Time _____ Volume _____Starting Time 7:14G Purging Flow Rate 1 gpm.Sampling Time 7:54

Time	pH	Conductivity	Temperature	Volume
<u>7:48</u>	<u>7.59</u>	<u>238</u>	<u>19.5</u>	<u>3</u>
<u>7:50</u>	<u>7.50</u>	<u>240</u>	<u>19.5</u>	<u>4</u>
<u>7:52</u>	<u>7.48</u>	<u>239</u>	<u>19.7</u>	<u>6</u>
<u>7:54</u>	<u>7.50</u>	<u>237</u>	<u>19.6</u>	<u>7</u>

Weather Conditions cloudy raining, coolWater Color: clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-17</u>	<u>3x40-1000</u>	<u>Y</u>	<u>HEC</u>	<u>GETEL</u>	<u>CRABTREE M112</u>

Comments _____

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

Chevron Facility Number #9-0260
Facility Address 21995 Foothill Blvd., Hayward, CA
Consultant Project Number 5110.80
Consultant Name Gettler-Ryan
Address 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name) Deanna Harding
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) Mr. Phil Briggs
(Phone) (510) 842-9135
Laboratory Name NEI/GTEL Service Code: ZZ02790
Laboratory Service Order # 9033189
Samples Collected by (Name) R. C. [unclear]
Collection Date 5-25-97
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed												DO NOT BILL TB-LB ANALYSIS	Remarks
								TPH Gas + STEK w/MTBE (8016)	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)						
TB-LB	92	16	TK	—	HL	Y	X														
MW-1C	93			73																	
MW-17	93			73																	
MW-14	94			82																	
MW-15	95			84																	
MW-16	96			84																	
MW-8	07			201																	
MW-4	08			113																	
MW-5	09			114																	
MW-12	10			125																	
MW-7	11	Y	Y	125			Y														

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>5-23-97/1300</u>	Received By (Signature) <u>John Weber</u>	Organization <u>GTEL</u>	Date/Time <u>1300</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>John Weber</u>	Organization <u>Nei/GTEL</u>	Date/Time <u>1645</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>5/24/97 0920</u>	



Midwest Region

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

May 30, 1997

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

RE: NEI/GTEL Client ID:	GTR01CHV08
Login Number:	W7050367
Project ID (number):	5110.80
Project ID (name):	CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 05/24/97.

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

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

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

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

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

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08

Login Number: W7050367

Project ID (number): 5110.80

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Method: EPA 8020A

Matrix: Aqueous

NEI/GTEL Sample Number	W7050367-01	W7050367-02	W7050367-03	W7050367-04
Client ID	TBLB	MW-10	MW-17	MW-14
Date Sampled		05/23/97	05/23/97	05/23/97
Date Analyzed	05/28/97	05/28/97	05/28/97	05/28/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	18.
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	16.
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	3.4
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	17.
BTEX (total)	--	ug/L	--	--	--	54.
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	130

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08

Login Number: W7050367

Project ID (number): 5110.80

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Method: EPA 8020A

Matrix: Aqueous

NEI/GTEL Sample Number	W7050367-05	W7050367-06	W7050367-07	W7050367-08
Client ID	MW-15	MW-16	MW-8	MW-4
Date Sampled	05/23/97	05/23/97	05/23/97	05/23/97
Date Analyzed	05/28/97	05/28/97	05/28/97	05/28/97
Dilution Factor	1.00	50.0	50.0	50.0

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 250	< 250	50000
Benzene	0.5	ug/L	20.	4000	11000	23000
Toluene	0.5	ug/L	9.7	370	38000	21000
Ethylbenzene	0.5	ug/L	0.9	1900	3200	1400
Xylenes (total)	0.5	ug/L	1.5	2900	18000	8400
BTEX (total)	--	ug/L	32.	9200	70000	54000
TPH as Gasoline	50	ug/L	130	32000	140000	120000

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

W7050367-08:

The TPH as Gasoline value is 99000 ug/L when MTBE is not included in the calculation.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08

Login Number: W7050367

Project ID (number): 5110.80

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Method: EPA 8020A

Matrix: Aqueous

NEI/GTEL Sample Number	W7050367-09	W7050367-10	W7050367-11	--
Client ID	MW-5	MW-12	MW-7	--
Date Sampled	05/23/97	05/23/97	05/23/97	--
Date Analyzed	05/28/97	05/28/97	05/28/97	--
Dilution Factor	50.0	50.0	50.0	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 250	6200	< 250	--
Benzene	0.5	ug/L	29000	27000	210	--
Toluene	0.5	ug/L	34000	22000	580	--
Ethylbenzene	0.5	ug/L	2900	2700	130	--
Xylenes (total)	0.5	ug/L	16000	15000	1400	--
BTEX (total)	--	ug/L	82000	67000	2300	--
TPH as Gasoline	50	ug/L	160000	130000	8300	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

W7050367-10:

The TPH as Gasoline value is 125000 ug/L when MTBE is not included in the calculation.

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A	Acceptability Limits:		43-136%
052897GC10-1	CV05289710	Calibration Verifi	96.6
052897GC10-2	BW05289710	Method Blank Water	101.
052897GC10-3	LW05289710	Laboratory Control	97.0
052897GC10-4	LWD05289710	LCS Water Duplicat	94.5
052897GC10-5	DP05036708	Duplicate	102.
052897GC10-6	MS05036704	Matrix Spike	98.8
--	05036701	TBLB	95.4
--	05036702	MW-10	94.1
--	05036703	MW-17	79.9
--	05036704	MW-14	97.4
--	05036705	MW-15	91.6
--	05036706	MW-16	95.1
--	05036707	MW-8	100.
--	05036708	MW-4	102.
--	05036709	MW-5	105.
--	05036710	MW-12	101.
--	05036711	MW-7	102.

Notes:

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

Project ID (Number): 5110.80
Project ID (Name): Chevron SS #9-0260
21995 Foothill Blvd.
Hayward, CA
Work Order Number: W7-05-0367
Date Reported: 05-30-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 28-MAY-97 QC Batch No: 052897GC10-2

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Project ID (number): 5110.80

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Volatile Organics

Method: EPA 8020A

Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:052897GC10-1		
Benzene	20.0	22.6	113.	77-123%
Toluene	20.0	21.5	108.	77.5-122.5%
Ethylbenzene	20.0	22.9	115.	63-137%
Xylenes (Total)	60.0	67.7	113.	85-115%
TPH as Gasoline	500.	569.	114.	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Wichita, KS

W7050367:4

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Matrix: Aqueous

Duplicate Sample Results

Analyte		Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A	Units: ug/L	QC Batch: 052897GC10-5 GTEL Sample ID: W7050367-08			
MTBE		49600	50000	0.803	20
Benzene		23400	22500	3.92	23.9
Toluene		21300	19800	7.30	27.2
Ethylbenzene		1440	1380	4.26	21.6
Xylenes (Total)		8380	8000	4.64	22.0
TPH as Gasoline		125000	119000	4.92	20

Notes:

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7050367-04			MS ID:MS05036704		
Analysis Date: 28-MAY-97			28-MAY-97		
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	18. (18.1)	20.0	38.8	104.	67-110
Toluene	16. (15.6)	20.0	38.0	112.	68-115
Ethylbenzene	3.4 (3.36)	20.0	24.0	103.	65-120
Xylenes (Total)	17. (17.2)	60.0	78.8	103.	62-119

Notes:

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Matrix: Aqueous

Laboratory Control Sample (LCS) and Laboratory Control Duplicate Results

Analyte	Spike	LCS	LCS	LCS Duplicate	LCS Duplicate	Acceptability Limits		
	Amount	Concentration	Recovery, %	Concentration	Recovery, %	RPD, %	RPD, %	Recovery, %
EPA 8020A	Units: ug/L	QC Batch: 052897GC10-4						
Benzene	20.0	21.1	106.	21.4	107.	0.939	20	39-150%
Toluene	20.0	20.3	102.	20.6	103.	0.976	20	46-148%
Ethylbenzene	20.0	21.9	110.	22.5	113.	2.69	20	32-160%
Xylenes (Total)	60.0	67.5	113.	69.2	115.	1.75	20	51-145%

Notes:NEI/GTEL Wichita, KS
W7050367:7

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7050367

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met

* = See Comments

-- = Not Required

NA = Not Applicable)

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

Comments: