



Chevron

February 26, 1997

RECEIVED BY
FIRE PREVENTION OFFICE

FEB 28 1997

HAYWARD FIRE DEPARTMENT

Mr. Sumadhu Arigala
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Chevron Products Company

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

Marketing - Sales West

Phone 510 842-9500

Re: **Chevron Service Station #9-0260**
21995 Foothill Blvd., Hayward, CA

Dear Mr. Arigala:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1996, that was prepared by our consultant Gettler-Ryan Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. Currently, monitoring wells MW-6, MW-9, MW-11 and MW-13 are sampled during the first and third quarters, and MW-4 MW-5, MW-7, MW-8 and MW-12 are sampled during the second and fourth quarters. Monitoring wells MW-10, MW-14, MW-15, MW-16 and MW-17 are sampled quarterly. Depth to water measurements are taken from all wells on a quarterly basis to maintain a knowledge of ground water flow direction and direction.

The levels of dissolved hydrocarbon constituents detected in the ground water are consistent with previous sampling events. Depth to ground water varied from 11.50 to 22.82 feet, with direction of flow to the southwest.

Chevron has released a contract to secure data that will be used in developing additional method(s) to remediate this site. This investigative work will be done within two weeks, with the data incorporated into a report that will be submitted on the additional method(s) to remediate the site. This report is expected to be submitted within 60 days.

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

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

February 26, 1997
Mr. Sumadhu Arigala
Chevron Service Station #9-0260
Page 2

cc. Ms. Bette Owen, Chevron

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

Mr. Hugh Murphy
City of Hayward Fire Department
25151 Clawiter Road
Hayward, CA 94545



GETTLER-RYAN INC.

December 30, 1996

Job #5110.80

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

Re: Fourth 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 November 22, 1996, field personnel were on-site to monitor fourteen wells (MW-4 through MW-17) and sample nine wells (MW-4, MW-5, 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.

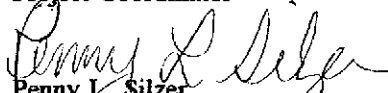
Static groundwater levels were measured on November 22, 1996. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in one of the site wells, MW-7. Static water level data and groundwater elevations are presented in Table 1. Separate-phase removal information is presented in Table 2. A potentiometric map is included as Figure 1.

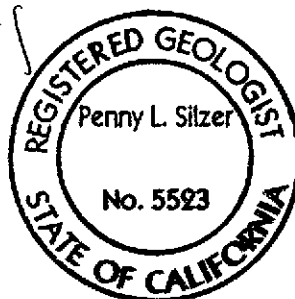
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented 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,

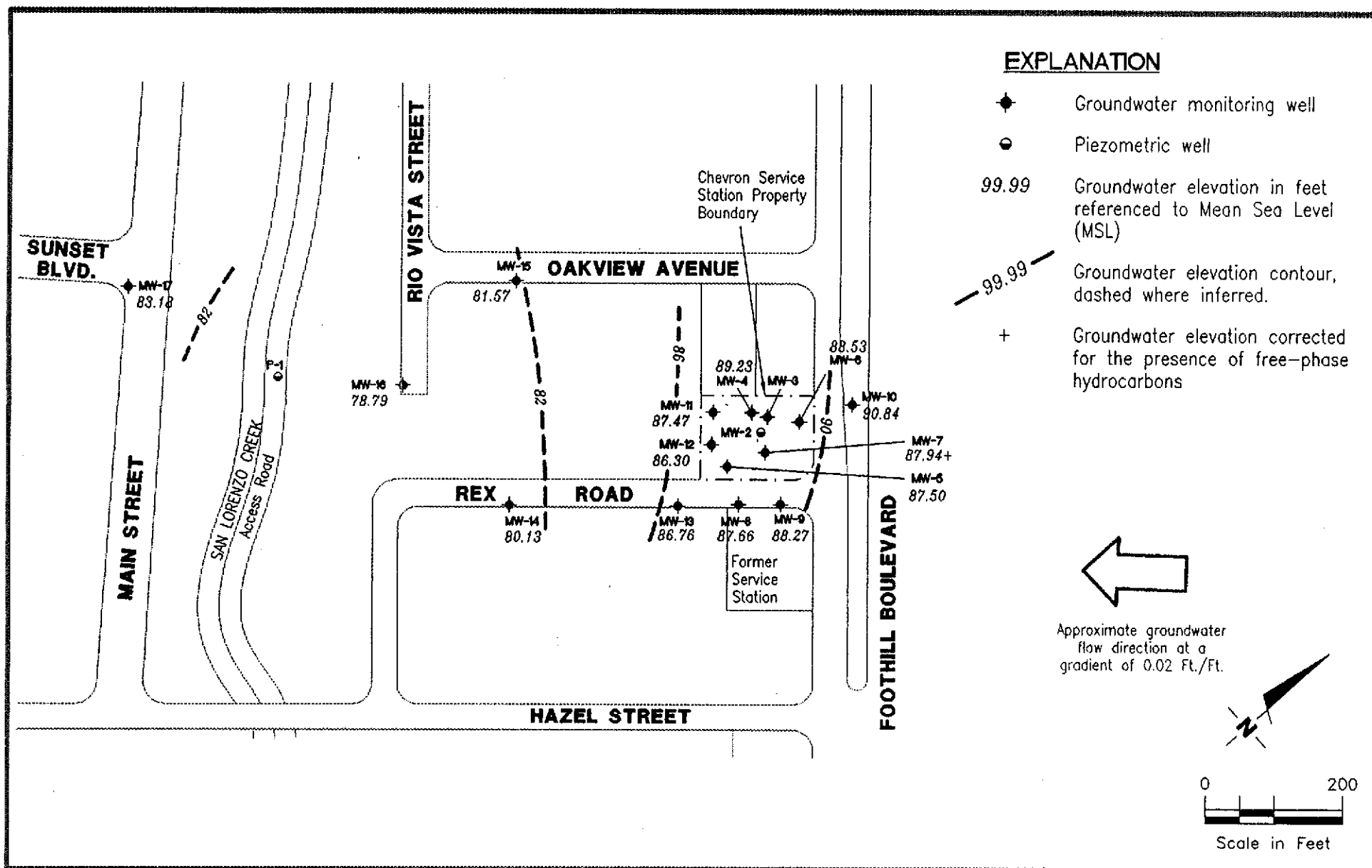

Deanna L. Harding
Project Coordinator


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



DLH/PLS/dlh
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

JOB NUMBER
5110

REVIEWED BY
[Signature]

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

DATE
November 22, 1996

REVISED DATE

FIGURE

1



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) <-----ppb----->	B	T	E	X	MTBE
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	---
	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	---	---	---	---	---	---	---
100.73	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
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 ^{3,5}	---	---	---	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	---



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	TPH(G)	B	T	E	X	MTBE
				Thickness* (ft)						
<-----ppb----->										
MW-5 (cont)	1/4/90	14.31	85.66	0	130,000	37,000	31,000	2,400	13,000	---
	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
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	---	---	---	---	---	---



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)	1/4/91	15.52	85.91	---	50,000	5,600	2,200	1,800	9,400	---	
	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	---	---	---	---	---	---	
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	---	



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 (mal)	Product Thickness* (ft)	TPH(G)	<-----ppb----->					MTBE
						B	T	E	X		
MW-7	1/2/92	15.45	85.46	---	---	---	---	---	---	---	
(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	---	---	---	---	---	---	
MW-8	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	---	
99.67	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	---	---	---	---	---	---	



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-8 (cont)	9/21/93	13.68	86.25	0.32	---	---	---	---	---	---	
	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	
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	---	---	---	---	---	---	



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)	5/15/95	10.64	90.51	0	---	---	---	---	---	---
	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	---	---	---	---	---	---
MW-10	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	---
102.36	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



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-10	8/27/96	12.01	90.35	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
(cont)	11/22/96	11.52	90.84	0	<50	<0.5	<0.5	<0.5	1.0	<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	---
99.97	1/4/90	14.55	85.42	0	82,000	33,000	11,000	2,000	10,000	---
	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	---	---	---	---	---	---
	8/13/92	17.04	82.53	---	---	---	---	---	---	---
99.57	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	---	---	---	---	---	---
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	---
99.64	1/4/90	14.35	85.29	0	110,000	24,000	19,000	2,300	12,000	---
	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	---	---	---	---	---	---	---	---
	4/3/91	10.91	---	---	---	---	---	---	---	---



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-12 (cont)	4/9/91	—	—	0	170,000	39,000	17,000	2,400	14,000	—
	7/2/91	13.51	—	0	—	—	—	—	—	—
99.22	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
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	—
	12/2/93	13.45	85.02	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-13 (cont)	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	---	---	---	---	---	---
MW-14 99.68	8/29/90*	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-15	8/29/90 ^a	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	---	
96.06	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 ^{1a}	---	---	---	---	---	---	---	---	---	
	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	
MW-16	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	---	
98.15	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	---	
	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	---	



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-16 (cont)	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
MW-17	8/13/92	23.30	82.70	0	<50	<0.5	<0.5	<0.5	<0.5	---
106.00	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
P-1	8/13/92	10.02	76.41	0	---	---	---	---	---	---
86.43	12/3/92	10.80	75.63	0	---	---	---	---	---	---
	3/25/93	8.95	77.48	0	---	---	---	---	---	---
Rinseate	1/5/89	---	---	---	<1,000	<0.3	<0.3	<0.3	<0.3	---
	3/8/94	---	---	---	<50	1	1.4	<0.5	1.5	---



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----->					
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



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.



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

Well ID	Date	Initial	Gallons Bailed (product + water)
		Product Thickness (ft)	
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



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.

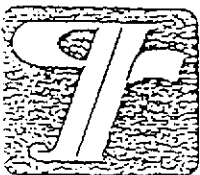
Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory 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.

(13)



WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID MW-4 Well Condition okay

Well Location Description

Well Diameter 2" (4") in Hydrocarbon Thickness 0

Total Depth 21 ft

Depth to Liquid 11.50 ft

of casing 3K 9.50 x 0.17 (VF) 2.66 x (VF) 6.27 #Estimated 1818 gal.
 Volume

Purge Equipment Stick Sampling Equipment Bailer

Did well dewater NO If yes, Time Volume

Starting Time 9:49 9:40 Purging Flow Rate 3.3 2.1 gpm.

Sampling Time 9:22

Time	pH	Conductivity	Temperature	Volume
<u>9:22 9:48 9:46</u>	<u>7.53</u>	<u>360</u>	<u>19.3</u>	<u>6.6</u>
<u>9:23 9:52</u>	<u>7.06</u>	<u>374</u>	<u>20.16</u>	<u>13.2</u>
<u>9:23 9:58</u>	<u>7.05</u>	<u>375</u>	<u>20.9</u>	<u>19.8</u>
<u>10:28 10:28</u>	<u>7.04</u>	<u>380</u>	<u>20.8</u>	<u>20.0</u>

Weather Conditions Rainy Breezy

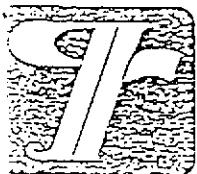
Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40mL VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>GLS BTX'S MIBZ R</u>

Comments



(V3)

WELL SAMPLING FIELD DATA SHEET

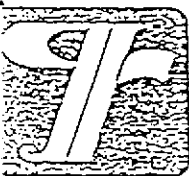
SAMPLER	<u>E. Cline</u>	DATE	<u>11-27-96</u>												
ADDRESS	<u>21995 Foothill Blvd</u>	JOB #	<u>5110.85</u>												
CITY	<u>Hayward CA</u>	SS#	<u>9-0260</u>												
Well ID	<u>MW-5</u>	Well Condition	<u>OK</u>												
Well Location Description															
Well Diameter	<u>2" (4")</u> in	Hydrocarbon Thickness	<u>0</u>												
Total Depth	<u>186</u> ft	<table border="1"><tr><td>Volume</td><td>2" = 0.17</td><td>6" = 1.50</td><td>12" = 5.80</td></tr><tr><td>Factor</td><td>3" = 0.38</td><td></td><td></td></tr><tr><td>(VF)</td><td>4" = 0.66</td><td></td><td></td></tr></table>		Volume	2" = 0.17	6" = 1.50	12" = 5.80	Factor	3" = 0.38			(VF)	4" = 0.66		
Volume	2" = 0.17			6" = 1.50	12" = 5.80										
Factor	3" = 0.38														
(VF)	4" = 0.66														
Depth to Liquid	<u>12.47</u> ft														
# of casing	<u>3x</u>	<u>61.3</u>	$\times 0.17 - 0.66 \times (VF)$	<u>4.0</u>	# Estimated	<u>12.1</u>	gal.								
Purge Equipment	<u>Stack Suction</u>	Sampling Equipment	<u>Bailer</u>	Purge Volume											
Did well dewater	<u>Yes</u>	If yes, Time		Volume											
Starting Time	<u>1034</u>	Purging Flow Rate	<u>2</u>	gpm.											
Sampling Time	<u>1043</u>														
Time	pH	Conductivity	Temperature	Volume											
<u>1034</u>	<u>7.34</u>	<u>300</u>	<u>19.2</u>	<u>4</u>											
<u>1038</u>	<u>7.50</u>	<u>413</u>	<u>19.6</u>	<u>8</u>											
<u>1045</u>	<u>7.00</u>	<u>400</u>	<u>20.0</u>	<u>12</u>											
<u>1043</u>	<u>6.99</u>	<u>400</u>	<u>19.8</u>	<u>13</u>											
Weather Conditions <u>Rainy Cloudy Wind N-1</u>															
Water Color:	<u>Clear</u>	Odor:	<u>Nil</u>												
Sediment Description	<u>Nil</u>														

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-5</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>GLD BTX SMTB R</u>

Comments

(13)



WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID MW-6 Well Condition OK

Well Location Description

Well Diameter 2" - 4" in Hydrocarbon Thickness 0

Total Depth ft

Depth to Liquid 12.90 ft

of casing 3x Volume x 0.17-0.66 x (VF) #Estimated gal.
 Volume

Purge Equipment Stick Sampling Equipment Boiler

Did well dewater If yes, Time Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
	<u>W/L</u>	<u>only</u>		

Weather Conditions

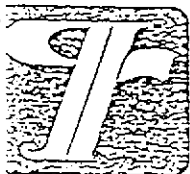
Water Color: Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-</u>	<u>3x40mVCA</u>	<u>Y</u>	<u>HCL</u>	<u>GTICL</u>	<u>GC-507.15 MIBK</u>

Comments



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-7 Well Condition okay

Well Location Description

Well Diameter 2" (4") in Hydrocarbon Thickness 0.02'

Total Depth ft

Depth to Liquid 12.99 ft

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

of casing 3x Volume x 0.17-0.66 x (VF) #Estimated gal.

Purge Equipment Stick Sampling Equipment Bailer purge Volume

Did well dewater If yes, Time Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Weather Conditions

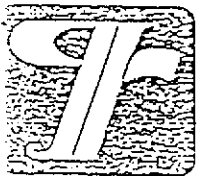
Water Color: Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-</u>	<u>3x40m WCA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>CE-30153 MIBR</u>

Comments



(V3)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11/22/94
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-9 Well Condition OK

Well Location Description

Well Diameter 2" - 4" in Hydrocarbon Thickness 0

Total Depth 17.88 ft

Depth to Liquid 17.88 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.20
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x Volume 0.17 - 0.66 x (VF) # Estimated 0.17 gal.

Purge Equipment Stick Sampling Equipment Bailer # Estimated 0.17 gal.

Did well dewater Yes If yes, Time 10 min Volume 10 gal

Starting Time 10:00 Purging Flow Rate 10 gpm

Sampling Time 10:05

Time	pH	Conductivity	Temperature	Volume
<u>10:05</u>	<u>7.5</u>	<u>150</u>	<u>15</u>	<u>10</u>
<u>10:10</u>	<u>7.5</u>	<u>150</u>	<u>15</u>	<u>10</u>
<u>10:15</u>	<u>7.5</u>	<u>150</u>	<u>15</u>	<u>10</u>
<u>10:20</u>	<u>7.5</u>	<u>150</u>	<u>15</u>	<u>10</u>

Weather Conditions Clear

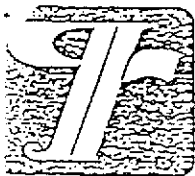
Water Color: 10 Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-9</u>	<u>3x40mVCA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>GROUNDWATER</u>

Comments None



(V3)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11/22/96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-10 Well Condition okay

Well Location Description

Well Diameter 2" (4") in Hydrocarbon Thickness e

Total Depth 27.6 ft

Depth to Liquid 11.52 ft

of casing 3x 16.08 x 0.17-0.66 x (VF) 10.6 #Estimated 33 gal.
Volume

Purge Equipment Static Sucker Sampling Equipment Bailer Volume

Did well dewater N/C If yes, Time Volume

Starting Time 8:18 Purging Flow Rate 3.6 gpm.

Sampling Time 8:35

Time	pH	Conductivity	Temperature	Volume
<u>8:21</u>	<u>7.66</u>	<u>403</u>	<u>14.0</u>	<u>10</u>
<u>8:24</u>	<u>8.30</u>	<u>436</u>	<u>17.5</u>	<u>22</u>
<u>8:27</u>	<u>7.68</u>	<u>430</u>	<u>17.5</u>	<u>33</u>
<u>8:35</u>	<u>7.65</u>	<u>432</u>	<u>17.4</u>	<u>39</u>

Weather Conditions Rainy Cloudy

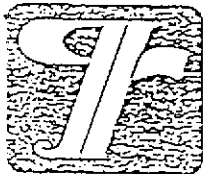
Water Color: clear Odor: N/C

Sediment Description N/C

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-10	3x40mL VOA	Y	HCL	GTI BL	GLS BT 15 MIB R

Comments



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-11 Well Condition okay
Well Location Description _____

Well Diameter 2" - 4" in Hydrocarbon Thickness 0

Total Depth _____ ft

Depth to Liquid 12.10 ft

of casing 3x Volume 0.17-0.66 x (VF) #Estimated _____ gal.
Purge Volume

Purge Equipment Stick Sampling Equipment Bailer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time _____ Purging Flow Rate _____ gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
	<u>w/c only</u>			

Weather Conditions _____

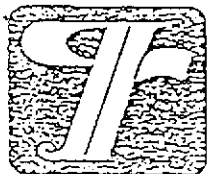
Water Color: _____ Odor: _____

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-</u>	<u>3x40ml VOA</u>	<u>y</u>	<u>HCL</u>	<u>GTEL</u>	<u>GC-MS/MS NATB12</u>

Comments _____



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-12 Well Condition OK

Well Location Description

Well Diameter 2" (4") in Hydrocarbon Thickness 0

Total Depth 19' ft

Depth to Liquid 12.92 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.20
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x 6.08 x 0.17-0.66 x (VF) 90 #Estimated 120 gal.
Volume purge
Volume

Purge Equipment State Suction Sampling Equipment Bailer

Did well dewater no If yes, Time _____ Volume _____

Starting Time 1022 Purging Flow Rate 2 gpm.

Sampling Time 1031

Time	pH	Conductivity	Temperature	Volume
<u>1022</u>	<u>7.78</u>	<u>358</u>	<u>19.7</u>	<u>4</u>
<u>1029</u>	<u>7.50</u>	<u>362</u>	<u>20.5</u>	<u>8</u>
<u>1029</u>	<u>7.52</u>	<u>366</u>	<u>19.8</u>	<u>12</u>
<u>1031</u>	<u>7.58</u>	<u>367</u>	<u>20.0</u>	<u>13</u>

Weather Conditions Rainy cloudy cool

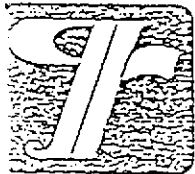
Water Color: clear Odor: M.B.

Sediment Description none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-</u>	<u>3x40mVCA</u>	<u>y</u>	<u>HCL</u>	<u>GTICL</u>	<u>GLS/BS/AMAR</u>

Comments _____



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-13 Well Condition dry

Well Location Description

Well Diameter 2" (4") in Hydrocarbon Thickness 0

Total Depth 11.71 ft

Depth to Liquid 11.71 ft

of casing 3x Volume 0.17-0.66 x (VF) 0 #Estimated purge Volume gal.

Purge Equipment Stroke Sampling Equipment Bailer

Did well dewater If yes, Time Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
	<u>w/c</u>	<u>only</u>		

Weather Conditions

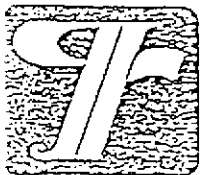
Water Color: Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-	3x40mVCA	Y	HCL	GTIEL	GL-513713 MIBR

Comments



(13)

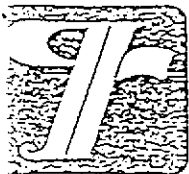
WELL SAMPLING FIELD DATA SHEET

SAMPLER	<u>E. Cline</u>	DATE	<u>11-22-96</u>											
ADDRESS	<u>21995 Foothill Blvd</u>	JOB #	<u>5110.85</u>											
CITY	<u>Hayward CA</u>	SS#	<u>9-0260</u>											
Well ID	<u>MW-14</u>	Well Condition	<u>okay</u>											
Well Location Description	<u>Area Flooded around Box</u>													
Well Diameter	<u>(2")-4"</u> in	Hydrocarbon Thickness	<u>0</u>											
Total Depth	<u>31'</u> ft	<table border="1"><tr><td>Volume</td><td>2" = 0.17</td><td>6" = 1.50</td><td>12" = 5.20</td></tr><tr><td>Factor</td><td>3" = 0.38</td><td></td><td></td></tr><tr><td>(VF)</td><td>4" = 0.66</td><td></td><td></td></tr></table>	Volume	2" = 0.17	6" = 1.50	12" = 5.20	Factor	3" = 0.38			(VF)	4" = 0.66		
Volume	2" = 0.17		6" = 1.50	12" = 5.20										
Factor	3" = 0.38													
(VF)	4" = 0.66													
Depth to Liquid	<u>19.55</u> ft													
# of casing Volume	<u>3x 11145</u>	x <u>0.17-0.66</u> x(VF) <u>1.9</u>	#Estimated <u>518</u> gal.											
Purge Equipment	<u>Stack</u>	Sampling Equipment	<u>Barler</u>											
Did well dewater	<u>MC</u>	If yes, Time	Volume											
Starting Time	<u>8:58</u>	Purging Flow Rate	<u>1</u> gpm.											
Sampling Time	<u>9:09</u>													
Time	pH	Conductivity	Temperature	Volume										
<u>9:02</u>	<u>7.44</u>	<u>316</u>	<u>17.2</u>	<u>2</u>										
<u>9:04</u>	<u>7.16</u>	<u>390</u>	<u>17.6</u>	<u>4</u>										
<u>9:06</u>	<u>7.15</u>	<u>395</u>	<u>17.8</u>	<u>6</u>										
<u>9:09</u>	<u>7.10</u>	<u>303</u>	<u>17.6</u>	<u>7</u>										
Weather Conditions	<u>Rainy Cloudy</u>													
Water Color:	<u>Brown</u>	Odor:	<u>none</u>											
Sediment Description	<u>Light Silty</u>													

LABORATORY INFORMATION

Sample ID	Container	Reliq	Preservative Type	Lab	Analysis
<u>MW-14</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>GC-MS/MS MIBZ</u>

Comments



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-15 Well Condition OK

Well Location Description _____

Well Diameter 2" 1/4" in Hydrocarbon Thickness Ø

Total Depth 22' ft

Depth to Liquid 14.49 ft

of casing 3x 7.51 x 0.17-0.66 x (VF) 3 # Estimated 4 gal.
Volume

Purge Equipment Stick Sampling Equipment Bailer

Did well dewater Yes If yes, Time 9.02 Volume ~2 gal

Starting Time 9.01 Purging Flow Rate _____ gpm.

Sampling Time 9.45

Time	pH	Conductivity	Temperature	Volume
<u>9.01</u>	<u>6.52</u>	<u>1280</u>	<u>17.5</u>	<u><1</u>
<u>9.02</u>	<u>6.67</u>	<u>1220</u>	<u>17.9</u>	<u>2</u>
<u>9.45</u>	<u>6.76</u>	<u>1170</u>	<u>18.1</u>	<u>2.1</u>

Weather Conditions overcast / drizzle

Water Color: clear Odor: None

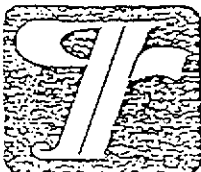
Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-15	3x40ml VOA	y	HCL	GTIEL	GLS/BT/IS/MT/IR

Comments _____

03)



WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID NAW-16 Well Condition OK

Well Location Description

Well Diameter 2" - 4" in

Hydrocarbon Thickness 0

Total Depth 38' ft

Depth to Liquid 19.36 ft

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

of casing 3x 18.64 x 0.17-0.66 x (VF) 3 #Estimated 10 gal.
 Volume 3.2 purge Volume

Purge Equipment Stick

Sampling Equipment Bailer

Did well dewater NO

If yes, Time _____ Volume _____

Starting Time 9:19

Purging Flow Rate 2.5 gpm.

Sampling Time 9:30

Time	pH	Conductivity	Temperature	Volume
<u>9:20</u>	<u>6.51</u>	<u>1000</u>	<u>16.6</u>	<u>1</u>
<u>9:22</u>	<u>6.56</u>	<u>1990</u>	<u>17.8</u>	<u>5</u>
<u>9:24</u>	<u>6.58</u>	<u>990</u>	<u>17.3</u>	<u>9.5</u>
<u>9:30</u>	<u>6.57</u>	<u>990</u>	<u>17.6</u>	<u>10</u>

Weather Conditions Overcast / drizzle

Water Color: clear

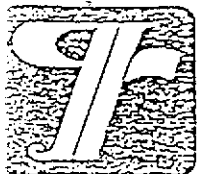
Odor: hydrocarbon

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>NAW-16</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>GTIEL</u>	<u>GC/MS/MS/MS/MS</u>

Comments _____



(13)

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 11-22-96
ADDRESS 21995 Foothill Blvd JOB # 5110.85
CITY Hayward CA SS# 9-0260

Well ID MW-17 Well Condition OK

Well Location Description

Well Diameter 2"-4" inTotal Depth 33.6 ftDepth to Liquid 22.82 ftHydrocarbon Thickness 0Volume 2" = 0.17 6" = 1.50 12" = 5.80Factor 3" = 0.38(VF) 4" = 0.66# of casing 3x 10.78 * 0.17-0.66 x (VF) 3 # Estimated 5.5 gal.

Volume

Purge Equipment StickSampling Equipment Bailer

Purge Volume

Did well dewater NO

If yes, Time

Volume

Starting Time 8:16

Purging Flow Rate

gpm.

Sampling Time 8:25

Time	pH	Conductivity	Temperature	Volume
<u>8:17</u>	<u>7.45</u>	<u>640</u>	<u>17.1</u>	<u>1</u>
<u>8:18</u>	<u>7.34</u>	<u>620</u>	<u>18.4</u>	<u>2.5</u>
<u>8:19</u>	<u>7.21</u>	<u>720</u>	<u>18.4</u>	<u>5</u>
<u>8:25</u>	<u>7.15</u>	<u>730</u>	<u>18.5</u>	<u>6</u>

Weather Conditions RainWater Color: brown/clearOdor: —

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Reliq	Preservative Type	Lab	Analysis
<u>MW-17</u>	<u>3x40mVCA</u>	<u>y</u>	<u>HCL</u>	<u>GTEL</u>	<u>6-31-97 15 MAR</u>

Comments

One belt wing broken off

(Phone) 874 1154
Laboratory Name CETEL
Laboratory Release Number 882926C
Samples Collected by (Name) F. Cline
Collection Date 11-23-96
Signature [Signature]

DO NOT BILL
TB-LB ANALYSIS:

Relinquished By (Signature) <i>mal</i>	Organization <i>celr</i>	Date/Time <i>11-25-96</i>	Received By (Signature) <i>O Harding</i>	Organization <i>G-R</i>	Date/Time <i>11/25/96</i>	810 Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days 10 Days As Contracted <i>no seals 1°C</i>
Relinquished By (Signature) <i>O Harding</i>	Organization <i>G-R</i>	Date/Time <i>11-26-96</i>	Received By (Signature) <i>John Weller</i>	Organization <i>NEI/GTEL</i>	Date/Time <i>11-26-96</i>	
Relinquished By (Signature) <i>John Weller</i>	Organization <i>NEI/GTEL</i>	Date/Time <i>11-26-96</i>	Received For Laboratory By (Signature) <i>Wells</i>	Date/Time <i>11/27/96 0830</i>		

820 Turn Around Time (Circle Choles)
24 Hrs.
40 Hrs.
6 Days
10 Days
1°C
As Contracted



Midwest Region

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

RECEIVED

DEC 17 1996

GETTLER-RYAN INC.
GENERAL CONTRACTORS

December 6, 1996

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

RE: GTEL Client ID:	GTR01CHV08
Login Number:	W6110533
Project ID (number):	5110.85
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 GTEL Environmental Laboratories, Inc. on 11/27/96.

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. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 1845.

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

Sincerely,
GTEL Environmental Laboratories, Inc.

Carla K Phipps
Inorganics Mgr. for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08

Login Number: W6110533

Project ID (number): 5110.85

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

Method: EPA 8020A

Matrix: Aqueous

GTEL Sample Number	W6110533-01	W6110533-02	W6110533-03	W6110533-04
Client ID	TB-LB	MW-17	MW-10	MW-15
Date Sampled		11/22/96	11/22/96	11/22/96
Date Analyzed	12/04/96	12/03/96	12/03/96	12/03/96
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	7.2
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	14.
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	6.1
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	1.0	12.
BTEX (total)	--	ug/L	--	--	1.0	32.
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	1500

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

GTEL Client ID: GTR01CHV08

Login Number: W6110533

Project ID (number): 5110.85

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

Method: EPA 8020A

Matrix: Aqueous

GTEL Sample Number	W6110533-05	W6110533-06	W6110533-07	W6110533-08
Client ID	MW-14	MW-16	MW-4	MW-8
Date Sampled	11/22/96	11/22/96	11/22/96	11/22/96
Date Analyzed	12/03/96	12/04/96	12/04/96	12/04/96
Dilution Factor	1.00	50.0	100.	100.

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	210	260	21000	< 500
Benzene	0.5	ug/L	49	3500	20000	7400
Toluene	0.5	ug/L	13	120	14000	33000
Ethylbenzene	0.5	ug/L	7.2	1400	1200	2400
Xylenes (total)	0.5	ug/L	22	1500	7000	14000
BTEX (total)	--	ug/L	91	6500	42000	57000
TPH as Gasoline	50	ug/L	620	36000	130000	150000

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

GTEL Client ID: GTR01CHV08

Login Number: W6110533

Project ID (number): 5110.85

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

Method: EPA 8020A

Matrix: Aqueous

GTEL Sample Number	W6110533-09	W6110533-10	--	--
Client ID	MW-12	MW-5	--	--
Date Sampled	11/22/96	11/22/96	--	--
Date Analyzed	12/04/96	12/04/96	--	--
Dilution Factor	100.	100.	--	--

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	980	< 500	--	--
Benzene	0.5	ug/L	24000	25000	--	--
Toluene	0.5	ug/L	22000	27000	--	--
Ethylbenzene	0.5	ug/L	1900	2000	--	--
Xylenes (total)	0.5	ug/L	11000	12000	--	--
BTEX (total)	--	ug/L	59000	66000	--	--
TPH as Gasoline	50	ug/L	160000	170000	--	--

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.

GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W6110533

Project ID (number): 5110.85

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

Volatile Organics

Method: EPA 8020A

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:

GTEL Client ID: GTR01CHV08
Login Number: W6110533
Project ID (number): 5110.85
Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A	Acceptability Limits:		43-136%
120396GC4-1	CV120396204	Calibration Verifi	60.1
120396GC4-3	BW1203964	Method Blank Water	59.0
120396GC4-4	DP11048301	Duplicate	64.9
120396GC4-5	MS11053302	Matrix Spike	71.6
--	11053301	TB-LB	79.4
--	11053302	MW-17	54.6
--	11053303	MW-10	55.2
--	11053304	MW-15	60.8
--	11053305	MW-14	58.7
--	11053306	MW-16	55.9
--	11053307	MW-4	57.2
--	11053308	MW-8	56.9
--	11053309	MW-12	56.3
--	11053310	MW-5	58.6

Notes:

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

Project ID (Number): 5110.85
Project ID (Name): Chevron SS #9-0260
21995 Foothill Blvd.
Hayward, CA
Work Order Number: W6-11-0533
Date Reported: 12-06-96

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 03-DEC-96 QC Batch No: 120396GC4-3

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

GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W6110533

Volatile Organics

Project ID (number): 5110.85

Method: EPA 8020A

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

Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:120396GC4-1		
Benzene	20.0	19.2	96.0	77-123%
Toluene	20.0	19.6	98.0	77.5-122.5%
Ethylbenzene	20.0	20.1	101.	63-137%
Xylenes (Total)	60.0	59.1	98.5	85-115%
TPH as Gasoline	500.	554.	111.	80-120%

Notes:

QC check source: Supelco #LA12389

GTEL Client ID: GTR01CHV08
Login Number: W6110533
Project ID (number): 5110.85
Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD. %	Acceptability Limits. %
EPA 8020A	Units: ug/L	QC Batch: 120396GC4-4	GTEL Sample ID: W6110483-01	Client ID: Batch QC
Benzene	2450	2560	4.39	23.9
Toluene	4720	4940	4.55	27.2
Ethylbenzene	296	314	5.90	21.6
Xylenes (Total)	2650	2820	6.22	22.0

Notes:

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

GTEL Client ID: GTR01CHV08
Login Number: W6110533
Project ID (number): 5110.85
Project ID (name): CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W6110533-02			MS ID:MS11053302		
Analysis Date: 03-DEC-96			03-DEC-96		
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.000)	20.0	14.6	73.0	67-110
Toluene	< 0.5 (0.130)	20.0	16.1	79.9	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	13.6	68.0	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	45.4	75.7	62-119

Notes:

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