



Chevron

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SEP 11 1997

September 9, 1997

HAYWARD FIRE DEPARTMENT

Mr. Kevin Graves
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. Graves:

Enclosed is the Third Quarter Groundwater Monitoring Report for 1997, 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.

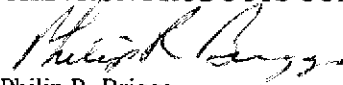
An additional monitoring well MW-18 was installed in conjunction with the new remediation system being installed at the site. This well was also sampled for the same constituents as noted above. The new DVE remediation system is almost complete with initial operational startup expected the week of September 15th

The levels of dissolved hydrocarbon constituents detected in the ground water are consistent with historical sampling events. Monitoring well MW-18 detected all of the constituents in this sampling event. Well MW-17 continues to below method detection limits for all constituents and the detection of dissolved hydrocarbons in the first quarter appears to have been an anomaly. Therefore, it appears that San Lorenzo Creek is not being impacted by the dissolved hydrocarbons in the ground water.

Depth to ground water varied from 12.15 feet to 22.53 feet, with direction of flow to the southwest.

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

Sincerely,
CHEVRON PRODUCTS COMPANY


Philip R. Briggs
Site Assessment and Remediation Project Manger

September 9, 1997
Mr. Kevin Graves
Chevron Service Station #9-0260
Page 2

Enclosure

cc. Ms. Bette Owen, Chevron

Ms. Madhulla Logan
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

Mr. Jim Perkins
Division Manager
Terra Vac Corporation
1651 Alvarado Street
San Leandro, CA 94577 (Less lab analysis)

Ms. Castillo
1180 Rex Road
Hayward, CA 94541



GETTLER-RYAN INC.

August 27, 1997

Job #5110.80

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

Re: Third 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 August 4, 1997, field personnel were on-site to monitor and sample fifteen wells (MW-4 through MW-18) at the Former Chevron Service Station #9-0260 located at 21995 Foothill Boulevard in Hayward, California.

Static groundwater levels were measured on August 4, 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.

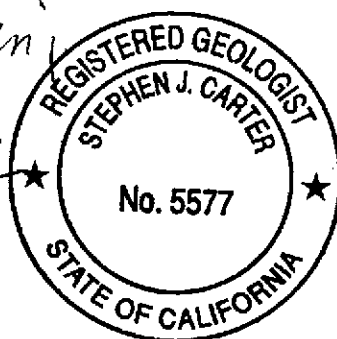
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEL/GTEL Environmental Laboratories, Inc. Analytical results are presented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

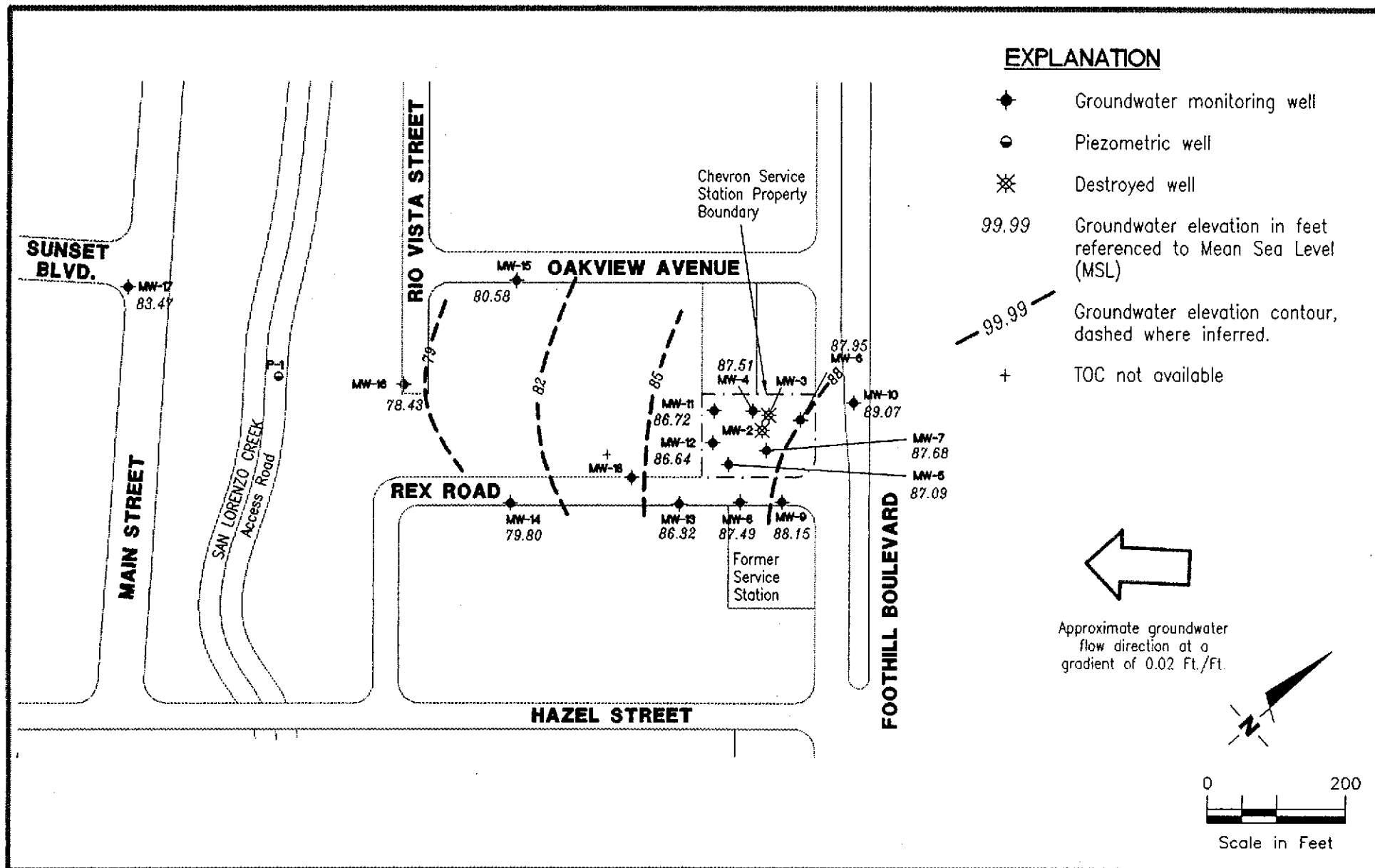
Deanna L. Harding
Deanna L. Harding
Project Coordinator

Stephen J. Carter
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

August 4, 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-4 100.75	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	---
	9/27/88 ¹²	14.22	86.53	0	500,000	41,000	27,000	<5,000	16,000	---
	9/27/88 ^{13,4}	---	---	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	---	---	---	---	---	---	---
	12/3/92	16.17	84.58	---	1,300,000	17,000	41,000	12,000	90,000	---
100.73	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 ¹³	23,000	21,000	1,400	8,400	50,000
	8/4/97	13.22	87.51	0	120,000	25,000	22,000	1,600	8,000	15,000
	---	---	---	---	---	---	---	---	---	---
MW-5 99.97	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	---
	9/27/88 ¹²	13.25	86.72	0	470,000	39,000	32,000	<5,000	16,000	---
	9/27/88 ¹³	---	---	---	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 Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
					<-----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 ^s	---	---	---	---	---	---
	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
	8/4/97	12.88	87.09	0	130,000	27,000	31,000	2,500	13,000	<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	---



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-6 (cont)	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	---
	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	---	---	---	---	---	---
	8/4/97	13.48	87.95	0	62,000	13,000	930	3,500	8,500	710
MW-7	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	---
100.91	9/27/88 ¹⁷	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	---



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)	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	---	---	---	---	---	---	---
	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
	8/4/97	13.23	87.68	0.00	96,000	12,000	16,000	2,300	14,000	3,600
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	---	---	---	---	---	---



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-8 (cont)	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	---	---	---	---	---	---
	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
	8/4/97	12.18	87.49	0.00	140,000	8,000	38,000	3,500	18,000	<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	---



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)	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	---	---	---	---	---	---
	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	---	---	---	---	---	---
	8/4/97	13.00	88.15	0.00	73,000	2,600	2,200	440	9,600	370
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	---



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 <----->
<i>ppb</i>										
MW-10 (cont)	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
	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
	8/4/97	13.29	89.07	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	---
	99.97	1/4/90	14.55	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	---	---	---	---	---	---	---	---
99.57	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	---	---	---	---	---	---	---
	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	---	---	---	---	---	---
	8/4/97	12.85	86.72	0	79,000	14,000	8,400	2,300	9,900	6,900



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 99.64	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	---
	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	---	---	---	---	---	---	---	---
	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 98.47	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
	8/4/97	12.58	86.64	0	130,000	23,000	28,000	2,700	13,000	11,000
	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	---
	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	---



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-13 (cont)	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	---	---	---	---	---	---
	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	---	---	---	---	---	---
	8/4/97	12.15	86.32	0	61,000	5,700	5,100	3,600	9,200	230
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	---



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-14 (cont)	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
	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
	8/4/97	19.88	79.80	0	200	8.3	7.9	4.1	10	<5.0
MW-15 96.06	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	---
	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 ¹³	---	---	---	---	---	---	---	---	---
	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
	8/4/97	15.48	80.58	0	60	1.3	<0.5	<0.5	1.1	<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-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	---
	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
	8/4/97	19.72	78.43	0	26,000	3,300	280	2,100	1,500	200
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



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-17 (cont)	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
	8/4/97	22.53	83.47	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-18	8/4/97	16.60	--	0	66,000	8,600	6,100	2,800	12,000	190
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	--
TB-LB	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	<0.5	--
	12/2/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
	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	--



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----->					
TB-LB (cont)	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
	8/4/97	---	---	---	<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 $GWE = [(TOC - DTW) + (0.8)(Product\ Thickness)]$. 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 (feet)	Gallons Bailed (product + water)
MW-5	1/4/91	0.01	---
	12/3/92	<0.02	---
	6/23/93	0.04	---
	9/21/93	0.03	---
	12/2/93	0.04	---
	6/13/94	0.32	---
	2/20/96	Sheen	---
MW-7	6/23/93	1.06	---
	9/21/93	0.67	---
	12/2/93	0.19	---
	6/13/94	0.30	---
	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
	8/4/97	0.00 - Sheen	0.00
MW-8	10/3/89	0.11	---
	1/4/90	0.10	---
	4/3/90	0.30	---
	7/3/90	0.04	---
	11/6/90	0.15	---
	1/4/91	0.18	---
	4/3/91	0.05	---
	7/2/91	0.48	---
	10/2/91	0.27	---
	1/2/92	0.30	---
	4/7/92	0.29	---
	8/13/92	0.31	---
	12/3/92	0.78	---
	6/23/93	0.25	---
	9/21/93	0.32	---
	12/2/93	0.24	---
	6/13/94	0.03	---
MW-9	12/2/93	0.01	---
	2/20/96	Sheen	---
	8/27/96	Sheen	---
	2/18/97	0.005	---
MW-11	1/4/91	0.30	---
	4/3/91	0.21	---
	7/2/91	0.02	---
MW-12	11/6/90	0.06	---
MW-13	1/2/92	0.03	---



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 FICINE DATE 8-4-97
ADDRESS 21995 Foothill Blvd JOB # 5110183
CITY Hayward CA SS# 9-0266

Well ID MW-4 Well Condition okay

Well Location Description (hooked into Remediation System)

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

Total Depth 21.7 ft

Depth to Liquid 13.22 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
	4" = 0.56		

of casing 3 x 8.28 x 0.17 - 0.66 x (VF) 5.46 # Estimated 16.38 gal.
Volume

Purge Equipment Stack Suction Sampling Equipment D. Bailey

Did well dewater No If yes, Time Volume

Starting Time 1442 Purging Flow Rate 1.8 gpm

Sampling Time 1453

Time	pH	Conductivity	Temperature	Volume
<u>1445</u>	<u>7.35</u>	<u>156</u>	<u>23.8</u>	<u>5.1</u>
<u>1448</u>	<u>7.25</u>	<u>155</u>	<u>24.0</u>	<u>10.2</u>
<u>1451</u>	<u>7.22</u>	<u>153</u>	<u>22.8</u>	<u>15.3</u>
<u>1453</u>	<u>7.24</u>	<u>154</u>	<u>23.0</u>	<u>16.0</u>

Weather Conditions Clear warm

Water Color Clear Odor None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x4cm/100A</u>	<u>Y</u>	<u>HCL</u>	<u>GT&L</u>	<u>CONDUCTIVITY</u>

Comments Well usually sampled Semi-annual (May/November)
Well has been hooked into Remediation system.
(Not active yet.) Sampled this qtr per Project manager.

WELL SAMPLING FIELD DATA SHEET

SAMPLER FILTIME DATE 8-4-97ADDRESS 21995 FOOTHILL BLVD JOB # 511585CITY Hayward CA SS# 9-0266Well ID MW-5 Well Condition ClayWell Location Description (Hooked into Remediation System)Well Diameter 2" - (4)" in Hydrocarbon Thickness 0Total Depth 18.6 ftDepth to Liquid 12.88 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x 5.72 $\times 0.17 - (0.66) \times (VF) 3.8$ # Estimated 11.3 gal.
VolumePurge Equipment Stack Suction Sampling Equipment D. BarkerDid well dewater No If yes, Time VolumeStarting Time 15:58 16:10 Purging Flow Rate 113 gpm.Sampling Time 16:10 16:26

Time	pH	Conductivity	Temperature	Volume
<u>16:18</u>	<u>7.18</u>	<u>226</u>	<u>25.3</u>	<u>3.9</u>
<u>16:21</u>	<u>7.25</u>	<u>206</u>	<u>22.5</u>	<u>7.8</u>
<u>16:24</u>	<u>7.22</u>	<u>212</u>	<u>22.6</u>	<u>11.7</u>
<u>16:26</u>	<u>7.23</u>	<u>220</u>	<u>22.5</u>	<u>12.0</u>

Weather Conditions Clear WarmWater Color: Clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-5</u>	<u>3x40ml Vials</u>	<u>Y</u>	<u>HCL</u>	<u>GETEL</u>	<u>RESIDUAL METALS</u>

Comments Well usually sampled Semi-annual (May-November)
Well has been hooked into Remediation System
(Not active yet). Well sampled this gr. per Project Manager.

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

8-4-97

ADDRESS

21995 Foothill Blvd

JOB #

3115.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-6

Well Condition

Clay

Well Location Description

Well Diameter

2" - (4)" in

Hydrocarbon Thickness

Total Depth

16.6 ft

Depth to Liquid

13.48 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing
Volume

3 x 3.42

x 0.17 - (0.66)

x (VF) 2.1

Estimated
purge
Volume

6.3 gal.

Purge Equipment

Stack

Suction

Sampling Equipment

D. Barker

Did well dewater

No

If yes, Time

Volume

Starting Time

14:12

Purging Flow Rate

1.1

gpm.

Sampling Time

14:20

Time

pH

Conductivity

Temperature

Volume

14:14

7.68

1108

22.3

2.2

14:16

7.53

189

22.4

4.4

14:18

7.50

180

22.3

6.6

14:20

7.50

185

22.1

1.0

Weather Conditions

Clear

Warm

Water Color

Clear

Odor

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

MW-6

3x4cm 100cm

Y

HCL

GTEL

GASBIXE M1712

Comments

Well hooked into Remediation System. (Not active yet).

WELL SAMPLING FIELD DATA SHEET

AMPLER FILTRINE DATE 8-4-97
 ADDRESS 21995 Foothill Blvd JOB # 51108-5
 CITY Hayward CA SS# 9-0266

Well ID MW-7 Well Condition okay
 Well Location Description (Hooked into Remediation System)

Well Diameter 2"-4" in Hydrocarbon Thickness 0 - Shoen

Total Depth 18 ft
 Depth to Liquid 13.23 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.33		
	4" = 0.66		

of casing 3x 9.77 $\times$ 0.17 - 0.66 $\times$ (VFI) 3.11 # Estimated 9.4 gal.
 Volume purge Volume

Purge Equipment Stack (Shut down) Sampling Equipment D. Bailey

Did well dewater - If yes, Time - Volume -

Starting Time 16:26 Purging Flow Rate 1.6 gpm.

Sampling Time -

Time	pH	Conductivity	Temperature	Volume
<u>16:28</u>	<u>7.53</u>	<u>171</u>	<u>24.3</u>	<u>3.2</u>
<u>16:30</u>	<u>7.25</u>	<u>178</u>	<u>22.3</u>	<u>6.4</u>
<u>16:32</u>	<u>7.23</u>	<u>176</u>	<u>23.0</u>	<u>9.6</u>
<u>16:34</u>	<u>7.24</u>	<u>177</u>	<u>22.8</u>	<u>10.0</u>

Weather Conditions Clear warm

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-71</u>	<u>3x4cm 100ml</u>	<u>Y</u>	<u>HCL</u>	<u>GETEL</u>	<u>PER 513(YH) M1 TBL2</u>

Comments Well usually sampled semi-annual (May & November)
Well has been hooked into Remediation System
(Not active yet). Sampled this gtr per p.m.

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICINE

DATE

8-4-97

ADDRESS

21995 Foothill Blvd

JOB #

3115195

CITY

Hayward CA

SS#

9-0266

Well ID

MW-8

Well Condition

okay (New Box)

Well Location Description

(Hooked into Remediation System)

Well Diameter

2" - (4") in

Hydrocarbon Thickness

- Shown

Total Depth

18146 ft

Depth to Liquid

12.18 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
NA	4" = 0.66		

of casing
Volume

3 x 6.22

x 0.17 = 0.66 x (VF) 4.1 # Estimated
purge Volume 12.3 gal.

Purge Equipment

(Stack) Suction

Sampling Equipment

D. Bailey

Did well dewater

No

If yes, Time

Volume

Starting Time

15:35

Purging Flow Rate

1.4

gpm.

Sampling Time

15:46

Time

pH

Conductivity

Temperature

Volume

15:38

7.65

154

24.3

4.7

15:41

7.35

148

22.8

8.4

15:44

7.23

147

22.7

12.6

15:46

7.25

148

22.8

13.6

Weather Conditions

Clear warm

Water Color

Clear

Odor

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-8	3x4cm VOA	Y	HCL	GT&L	POSITIVE NITR

Comments Well usually sampled Semi-annual (May & November).
Well has been hooked into Remediation System.
(Not yet active). Sampled this qtr per P.M.



WELL SAMPLING FIELD DATA SHEET

AMPLER FILTRINE DATE 8-4-97

ADDRESS 21995 Foothill Blvd JOB # 5110.85

CITY Hayward CA SS# 9-0266

Well ID MW-9 Well Condition Clay - (New Box)

Well Location Description Hooked into Remediation System

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

Total Depth 14.2 ft

Depth to Liquid 13.00 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x 6.20 $\times 0.17 = 0.66$ $\times (VF)$ 4.1 # Estimated 17.3 gal.

Purge Equipment Stack Suction Sampling Equipment D. Bailey

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 1517 Purging Flow Rate 1.4 gpm

Sampling Time 1528

Time	pH	Conductivity	Temperature	Volume
<u>15:20</u>	<u>7.15</u>	<u>143</u>	<u>23.8</u>	<u>9.2</u>
<u>15:23</u>	<u>7.23</u>	<u>146</u>	<u>21.8</u>	<u>8.4</u>
<u>15:26</u>	<u>7.30</u>	<u>148</u>	<u>22.0</u>	<u>12.6</u>
<u>15:29</u>	<u>7.31</u>	<u>146</u>	<u>21.8</u>	<u>13.0</u>

Weather Conditions Clear warm

Water Color Clear Odor None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-9</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>CoTEL</u>	<u>GISBIXE M/TBL</u>

Comments Well hooked into Remediation System (not active yet).

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

8-4-97

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

Total Depth

27.6 ft

Depth to Liquid

13.29 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x
Volume

14.31

 $\times 0.17 = 0.66 \times (VF) 9.4 \times \text{Estimated } 28 \text{ gal.}$
 purge Volume

Purge Equipment

Stack Suction

Sampling Equipment

D. Barker

Did well dewater

No

If yes, Time

Volume

Starting Time

11:37

Purging Flow Rate

2 gpm.

Sampling Time

11:54

Time

pH

Conductivity

Temperature

Volume

11:47

6.58

15.2

21.2

10

11:47

6.68

15.3

21.6

20

11:52

6.76

15.3

21.5

30

11:54

6.15

15.3

21.2

31

Weather Conditions

Clear warm

Water Color

Clear

Odor

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-10	3x4cm/10cm	Y	HCL	GTCL	GC/MS/TOX NITRIL

Comments

WELL SAMPLING FIELD DATA SHEET

AMPLER FILTR DATE 8-4-97ADDRESS 21995 Foothill Blvd JOB # 511515CITY Hayward CA SS# 9-0060Well ID MW-11 Well Condition ClayWell Location Description (Hooked into Remediation System)Well Diameter 2" (4") in Hydrocarbon Thickness 0Total Depth 18.3 ftDepth to Liquid 12.85 ft# of casing 3x 5.45 $\times 0.17 - 0.66 \times (VF) 3.6$ #Estimated 10.8 gal.
VolumePurge Equipment Stack Suction Sampling Equipment D. BarkerDid well dewater No If yes, Time Volume Starting Time 7:42:32 Purging Flow Rate 1.2 gpm.Sampling Time 14:44

Time	pH	Conductivity	Temperature	Volume
14:35	7.08	155	22.8	3.6
14:38	7.15	152	21.8	7.2
14:41	7.10	155	22.6	10.8
14:44	7.12		21.5	11.0

Weather Conditions Clear WarmWater Color: Clear Odor: NoneSediment Description Clear

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-11	3x4cm JUCIA	Y	HCL	60166	RESISTIVE M/TBL2

Comments Well hooked into Remediation System (Not yet active).

WELL SAMPLING FIELD DATA SHEET

(17)

SAMPLER FILTING DATE 8-4-97
 ADDRESS 21995 Foxtail Blvd JOB # 5115.85
 CITY Hayward CA SS# 9-0260

Well ID MW-12 Well Condition Clean
 Well Location Description (Hooked into Remediation System)
 Well Diameter 2" - (4) in Hydrocarbon Thickness 0

Total Depth 19 ft
 Depth to Liquid 12.58 ft

Volume	1" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x 6.42 $\times$ 0.17 - 0.66 $\times$ (VF) 4.12 # Estimated 17.4 gal.
 Volume
 Purge Equipment Stack Suction Sampling Equipment D. Bailey
 Did well dewater Alc If yes, Time Volume

Starting Time 15:58 Purging Flow Rate 1.14 gpm.
 Sampling Time 16:10

Time	pH	Conductivity	Temperature	Volume
<u>16:00</u>	<u>7.18</u>	<u>12.6</u>	<u>25.2</u>	<u>4.2</u>
<u>16:04</u>	<u>7.25</u>	<u>13.4</u>	<u>24.3</u>	<u>8.4</u>
<u>16:08</u>	<u>7.22</u>	<u>12.3</u>	<u>22.8</u>	<u>12.6</u>
<u>16:10</u>	<u>7.23</u>	<u>12.1</u>	<u>23.0</u>	<u>13.0</u>

Weather Conditions Clear warm
 Water Color: Clear Odor: M.E.
 Sediment Description Alc

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-12</u>	<u>3x4cm WCA</u>	<u>Y</u>	<u>HCL</u>	<u>GTBL</u>	<u>651374L M/TBL</u>

Comments Well usually sampled semi-annual (May & November)
Well hooked into Remediation System (not yet active)
Sampled this qtr per P.M.

WELL SAMPLING FIELD DATA SHEET

(17)

SAMPLER FILTRIC DATE 8-4-97

ADDRESS 21995 Foothill Blvd JOB # 5110.85

CITY Hayward CA SS# 9-0266

Well ID MW-13 Well Condition dry

Well Location Description _____

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

Total Depth 18 ft

Depth to Liquid 12.15 ft

of casing 3x 5.85 $\times 0.17 - 0.66 \times (VF)$ 3.86 #Estimated 11.6 gal.

Volume _____

Purge Equipment Stack Suction Sampling Equipment D. Barker

Did well dewater NC If yes, Time _____ Volume _____

Starting Time 15:01 Purging Flow Rate 1.3 gpm

Sampling Time 15:12

Time pH Conductivity Temperature Volume

15:04 7.15 150 23.8 3.9

15:07 7.10 146 22.5 7.8

15:10 7.12 148 22.3 11.7

15:12 7.10 147 22.5 12.0

Weather Conditions clear warm

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-13	3x4cm WCT	Y	HCL	GTBL	GISBIXL M/TBL

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

8-4-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

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

19.88 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 3x
Volume

11.12

x (VF) = 0.66

x (VF) / 1.89

Estimated

5.7

gal.

Purge Equipment

Stack

Suction

Sampling Equipment

D. Bailey

Did well dewater

No

If yes, Time

Volume

Starting Time

12:25

Purging Flow Rate

2

gpm.

Sampling Time

12:31

Time

pH

Conductivity

Temperature

Volume

12:25

7.05

152

20.17

2

12:29

7.00

156

20.14

4

12:31

7.01

160

20.15

6

12:34

7.00

158

20.14

7

Weather Conditions

Clear

warm

Water Color

Clear

Odor

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-14	3x40mL VOA	Y	HCL	GTCL	GESBIXE NITOL

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Fitch DATE 8-4-97ADDRESS 21995 Foothill Blvd JOB # 5110.95CITY Hayward CA SS# 9-0260Well ID MW-15 Well Condition okay

Well Location Description _____

Well Diameter 2"-4" in Hydrocarbon Thickness 0Total Depth 22' ftDepth to Liquid 15.48 ft# of casing 3x 6.52 0.17 0.66 1.1 # Estimated purge Volume 3.3 gal.Purge Equipment Stack Suction Sampling Equipment D. BarkerDid well dewater No If yes, Time _____ Volume _____Starting Time 12:19 Purging Flow Rate _____ gpm.Sampling Time 12:24

Time	pH	Conductivity	Temperature	Volume
12:20	7.08	144	24.3	1
12:21	7.05	145	23.8	2
12:22	7.00	146	23.9	3
12:24	7.03	145	23.8	4

Weather Conditions Clear warmWater Color: Clear Odor: NoneSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-15	3x40m IUCAT	Y	HCL	CoTEL	RESISTIVE METALS

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICTIVE

DATE

8-4-97

ADDRESS

21995 Feather Hill Blvd

JOB #

5115.85

CITY

Hayward CA

SS#

4-0260

Well ID

MW-16

Well Condition

Clay

Well Location Description

Well Diameter

2" - 4" in

Hydrocarbon Thickness

/

Total Depth

38' ft

Depth to Liquid

19.72 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.33		
(VF)	4" = 0.66		

of casing
Volume

3x 18.78

 $\times (0.17 \times 0.66) \times (VF) 3.1$ #Estimated
purge Volume

9.3 gal.

Purge Equipment

(Stack) Suction

Sampling Equipment

D. Baiter

Did well dewater

No

If yes, Time

Volume

Starting Time

13:38

Purging Flow Rate

1.5

gpm.

Sampling Time

13:40

Time

pH

Conductivity

Temperature

Volume

13:40

7.05

12.1

24.3

3

13:47

7.00

122

22.8

6

13:49

6.95

122

21.5

9

13:46

6.98

121

22.0

10

Weather Conditions

Clear Warm

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

MW-16

3x40ml WCA

Y

HCL

COTL

CASSIDY N17BL2

Comments

(14)

WELL SAMPLING FIELD DATA SHEET

SAMPLER FICTIVE DATE 8-4-97
ADDRESS 21995 Foothill Blvd JOB # 511075
CITY Hayward CA SS# 9-0060

Well ID MW-17 Well Condition dry

Well Location Description _____

Well Diameter 2"-4" in Hydrocarbon Thickness 0

Total Depth 33.6 ft

Depth to Liquid 22.53 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.30
Factor	3" = 0.33		
(VF)	4" = 0.66		

of casing 3x 11.07 0.17 - 0.66 x (VF) 1.9 # Estimated 5.16 gal.
Volume

Purge Equipment Stack Suction Sampling Equipment D. Barker

Did well dewater NO If yes, Time _____ Volume _____

Starting Time 11:10 Purging Flow Rate 1 gpm.

Sampling Time 11:18

Time	pH	Conductivity	Temperature	Volume
<u>11:12</u>	<u>6.80</u>	<u>120</u>	<u>21.3</u>	<u>2</u>
<u>11:14</u>	<u>6.75</u>	<u>120</u>	<u>21.0</u>	<u>4</u>
<u>11:16</u>	<u>6.78</u>	<u>123</u>	<u>21.0</u>	<u>6</u>
<u>11:18</u>	<u>6.80</u>	<u>122</u>	<u>21.1</u>	<u>7</u>

Weather Conditions Clear Warm

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-17</u>	<u>3x4cm/10cm</u>	<u>Y</u>	<u>HCL</u>	<u>GT/L</u>	<u>ASSISTYLS NITOL</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

(14)

SAMPLER FILTING DATE 8-4-97

ADDRESS 21995 Foothill Blvd JOB # 5110.85

CITY Hayward CA SS# 9-0260

Well ID MW-18 Well Condition okay

Well Location Description New well

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

Total Depth 25' ft

Depth to Liquid 16.60 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.90
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing 10x 8.40 x 0.17 = 0.66 x (VF) 1147 # Estimated 463 gal. purge Volume

Purge Equipment Stack Suction Sampling Equipment D. Barker

Did well dewater No If yes, Time Volume

Starting Time 12:35 Purging Flow Rate 1 gpm.

Sampling Time 1305

Time	pH	Conductivity	Temperature	Volume
12:47	7.58	169	28.5	5
12:52	7.25	180	25.3	10
12:57	7.17	179	24.2	15
13:02	7.18	180	24.3	20
13:05	7.17	180	24.3	21

Muddy

Weather Conditions Clear warm

Water Color: Clear Odor: None

Sediment Description Na

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-18	3x4cm VOA	Y	HAL	CoTEL	GISI374E M/TBL2

Comments Develop new well. (Surge well 10 minutes)
(Bail 2 casing - pump 8-10 casing.)

Pumped out 110 gallons Decon water from drums. (From well installation by Terra Inc.)

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

Mr. Phil Briggs

(Phone) (510) 842-9135

Laboratory Name NEI/GTEL Service Code: ZZ02790

Laboratory Service Order # 9033189

Samples Collected by (Name) J. H. Hines

Collection Date 8-1-97

Signature _____

DO NOT BILL
TB-LB ANALYSIS

Remarks

We held onto
these an extra
day.
please reflect in
T.A.T.
fw

Turn Around Time (Circle Choice)

24 11/24

48 Hrs.

5 Days

10 Days

As Contracted



Midwest Region

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

August 12, 1997

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

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7080131
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 08/07/97.

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

NEI/GTEL is certified by the California Department of Health Service under Certification Number 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: W7080131

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	W7080131-01	W7080131-02	W7080131-03	W7080131-04
Client ID	TB-LB	MW-17	MW-10	MW-18
Date Sampled	08/04/97	08/04/97	08/04/97	08/04/97
Date Analyzed	08/09/97	08/09/97	08/09/97	08/11/97
Dilution Factor	1.00	1.00	1.00	25.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	190
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	8600
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	6100
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	2800
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	12000
BTEX (total)	--	ug/L	--	--	--	30000
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	66000

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: W7080131

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	W7080131-05	W7080131-06	W7080131-07	W7080131-08
Client ID	MW-14	MW-15	MW-7	MW-6
Date Sampled	08/04/97	08/04/97	08/04/97	08/04/97
Date Analyzed	08/09/97	08/09/97	08/11/97	08/11/97
Dilution Factor	1.00	1.00	50.0	50.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	< 5.0	3600	710
Benzene	0.5	ug/L	8.3	1.3	12000	13000
Toluene	0.5	ug/L	7.9	< 0.5	16000	930
Ethylbenzene	0.5	ug/L	4.1	< 0.5	2300	3500
Xylenes (total)	0.5	ug/L	10.	1.1	14000	8500
BTEX (total)	--	ug/L	30.	2.4	44000	26000
TPH as Gasoline	50	ug/L	200	60	96000	62000

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: W7080131

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	W7080131-09	W7080131-10	W7080131-11	W7080131-12
Client ID	MW-16	MW-11	MW-13	MW-9
Date Sampled	08/04/97	08/04/97	08/04/97	08/04/97
Date Analyzed	08/09/97	08/11/97	08/09/97	08/09/97
Dilution Factor	20.0	50.0	20.0	20.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	200	6900	230	370
Benzene	0.5	ug/L	3300	14000	5700	2600
Toluene	0.5	ug/L	280	8400	5100	2200
Ethylbenzene	0.5	ug/L	2100	2300	3600	440
Xylenes (total)	0.5	ug/L	1500	9900	9200	9600
BTEX (total)	--	ug/L	7200	35000	24000	15000
TPH as Gasoline	50	ug/L	26000	79000	61000	73000

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: W7080131

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	W7080131-13	W7080131-14	W7080131-15	W7080131-16
Client ID	MW-4	MW-12	MW-8	MW-5
Date Sampled	08/04/97	08/04/97	08/04/97	08/04/97
Date Analyzed	08/09/97	08/11/97	08/11/97	08/11/97
Dilution Factor	50.0	100.	100.	100.

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	15000	11000	< 500	< 500
Benzene	0.5	ug/L	25000	23000	8000	27000
Toluene	0.5	ug/L	22000	28000	38000	31000
Ethylbenzene	0.5	ug/L	1600	2700	3500	2500
Xylenes (total)	0.5	ug/L	8000	13000	18000	13000
BTEX (total)	--	ug/L	57000	67000	68000	74000
TPH as Gasoline	50	ug/L	120000	130000	140000	130000

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7080131

Project ID (number): 5110.80

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:

NEI/GTEL Client ID: GTR01CHV08

Login Number: W7080131

Project ID (number): 5110.80

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%
080897GC14-13	MS08013102	Matrix Spike	106.
080897GC14-15	DP08013113	Duplicate	127.
080897GC14-3	CV0809972014	Calibration Verifi	106.
080897GC14-5	BW08089714	Method Blank Water	94.2
--	08013101	TB-LB	92.7
--	08013102	MW-17	97.2
--	08013103	MW-10	95.7
--	08013104	MW-18	128.
--	08013105	MW-14	106.
--	08013106	MW-15	97.8
--	08013107	MW-7	120.
--	08013108	MW-6	122.
--	08013109	MW-16	135.
--	08013110	MW-11	123.
--	08013111	MW-13	112.
--	08013112	MW-9	135.
--	08013113	MW-4	125.
--	08013114	MW-12	115.
--	08013115	MW-8	124.
--	08013116	MW-5	116.

Notes:

*: Indicates values outside of acceptability limits. See Sample Report.

Project ID (Number): 5110.80
Project ID (Name): Chevron SS #9-0260
21995 Foothill Blvd.
Hayward, CA
Work Order Number: W7-08-0131
Date Reported: 08-12-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 08-AUG-97 QC Batch No: 080897GC14-5

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: W7080131

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:080897GC14-3		
Benzene	20.0	18.9	94.5	77-123%
Toluene	20.0	19.4	97.0	77.5-122.5%
Ethylbenzene	20.0	21.9	110	63-137%
Xylenes (Total)	60.0	63.2	105	85-115%
TPH as Gasoline	500	508	102	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7080131

Project ID (number): 5110.80

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

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: 080897GC14-15	GTEL Sample ID: W7080131-13	Client ID: MW-4
MTBE	14900	16500	10.2	20
Benzene	24900	25000	0.401	23.9
Toluene	21500	21600	0.464	27.2
Ethylbenzene	1610	1640	1.85	21.6
Xylenes (Total)	8000	8130	1.61	22.0
TPH as Gasoline	119000	117000	1.69	20

Notes:

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7080131

Project ID (number): 5110.80

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

Volatile Organics

Method: EPA 8020A

Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7080131-02			MS ID:MS08013102		
Analysis Date: 09-AUG-97			09-AUG-97		
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.0600)	20.0	19.6	97.7	67-110
Toluene	< 0.5 (0.470)	20.0	20.3	99.2	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	21.5	108	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	62.5	104	62-119

Notes:

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