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FIRE PREVENTION OFFICE

APR 14 1997



Chevron

HAYWARD FIRE DEPARTMENT

April 10, 1997

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

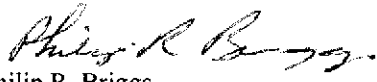
Re: Chevron Service Station #9-0260
21995 Foothill Blvd., Hayward, CA

Dear Mr. Arigala:

I am enclosing a corrected copy of the Potentiometric Map, dated February 18, 1997 that is to be inserted in the Groundwater Monitoring Report, dated March 26, 1997, for the above noted site. This correction notes that wells MW-2 and MW-3 have been destroyed. Both of these wells were located in the area of the underground tanks and they were destroyed when the tanks and the station facilities were removed in October of 1996.

I apologize for any inconvenience this may have caused. If you have any questions call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

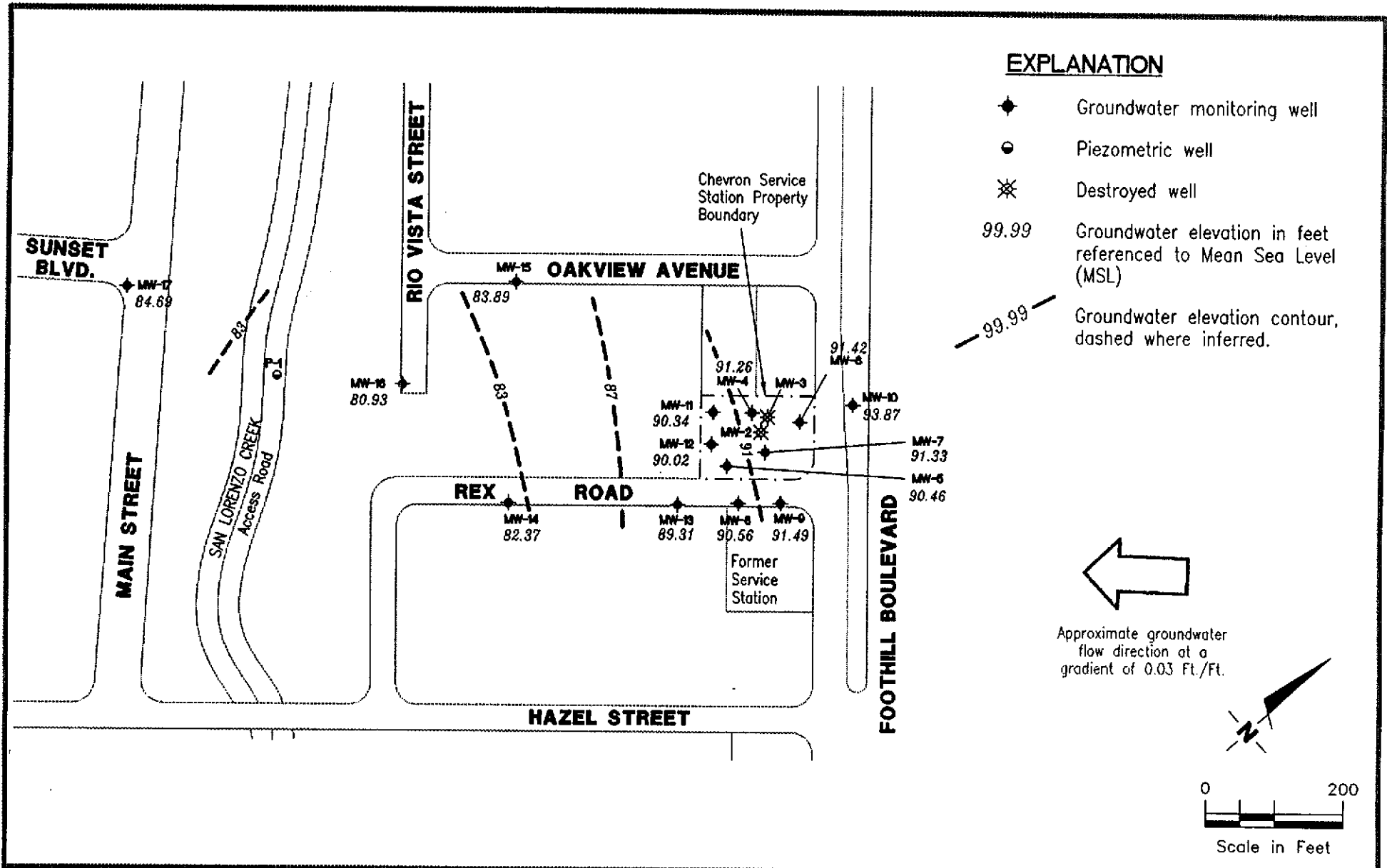

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

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.

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

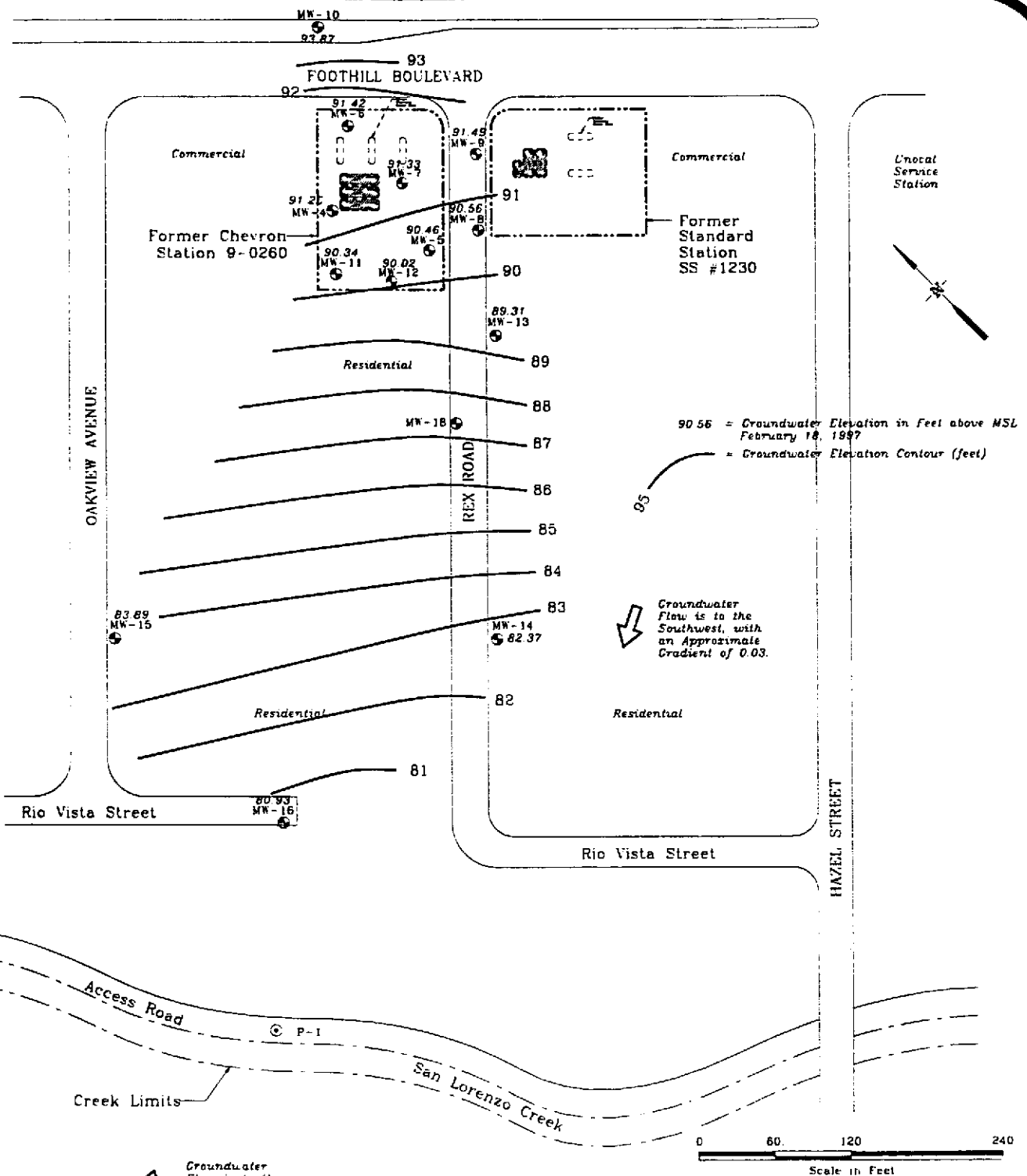
1

JOB NUMBER
5110

REVIEWED BY

DATE
February 18, 1997

REVISED DATE



Groundwater Flow is to the Northeast, the Gradient is Unknown

Groundwater Elevations, 2/18/97
Former Chevron Station 9-0260
21995 Foothill Boulevard
Hayward, California

Project	30-0236	Drawn	JLN
Date	5/13/97	Revised	
Scale	1"=120'	Checked	

TERRA
VACUUM
INCORPORATED
10000 KILBUCK ROAD
SUITE 100
DUBLIN, CA 94568
(916) 231-1000

Note: Base map adapted from, Weiss Associates, Figure 3 titled "TPH & Concentrations in Groundwater" December 3, 1992 dated January 21, 1993

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APR 03 1997



Chevron

April 1, 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:

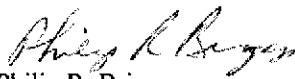
Enclosed is the First Quarter Groundwater Monitoring Report for 1997, that was prepared by our consultant Gettler-Ryan Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. Currently, monitoring wells MW-6, MW-9, MW-11 and MW-13 are sampled 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.

The levels of dissolved hydrocarbon constituents detected in the ground water are consistent with previous sampling events, except for monitoring wells MW-6 and MW-17. The concentration of benzene declined to a magnitude of three times the previous sampling event for well MW-6, while well MW-17 detected concentrations of all constituents this quarter, but was below method detection limits in the previous sampling event. This result could be an anomaly, and additional sampling will be needed. Depth to ground water varied from 8.49 feet to 21.31 feet, with direction of flow to the southwest.

Chevron's contractor has completed the additional data research, which is to be used in developing additional method(s) to remediate this site, and this data report is expected to be submitted within the next ten days. This information will be incorporated into a work plan that will than be submitted for the additional method(s) to remediate the site. This work plan is now expected to be submitted within 45 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 Manger

Enclosure

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FIRE PREVENTION OFFICE

APR 03 1997

HAYWARD FIRE DEPARTMENT

April 1, 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.

RECEIVED BY
FIRE PREVENTION OFFICE
APR 03 1997
HAYWARD FIRE DEPARTMENT

March 26, 1997

Job #5110.80

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

Re: First 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 February 18, 1997, field personnel were on-site to monitor fourteen wells (MW-4 through MW-17) and sample nine wells (MW-6, MW-9, MW-10, MW-11, and MW-13 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 February 18, 1997. 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.

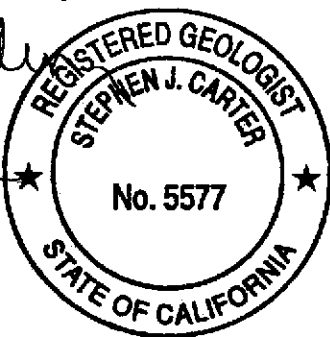
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented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

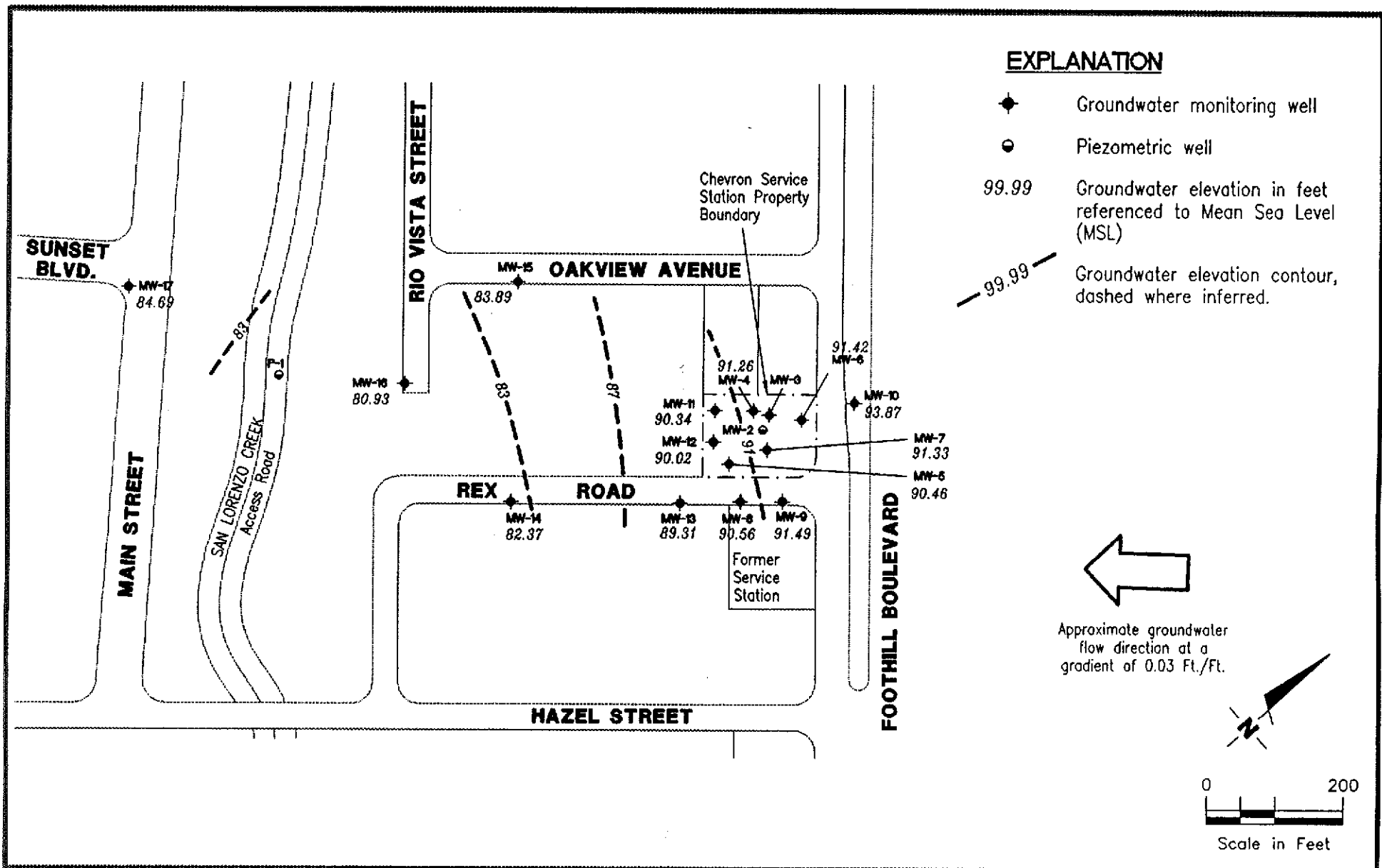
Deanna L. Harding
Deanna L. Harding
Project Coordinator

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



DLH/SJC/ahh
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
SJC

DATE
February 18, 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	—	—	—	—	—	—	—
	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
2/18/97	9.47	91.26	0	—	—	—	—	—	—	
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	—
	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	—



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



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-6 (cont)	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
MW-7 100.91	2/5/88	---	---	---	81,000	34,000	36,000	2,400	16,000	---
	6/15/88	12.57	88.34	---	77,000	40,000	41,000	1,400	24,000	---
	9/27/88 ^{1,7}	13.60	87.31	---	30,000	9,700	8,900	400	4,100	---
	1/5/89	12.98	87.93	---	96,000	36,000	38,000	2,800	16,000	---
	4/6/89	12.34	88.57	---	---	---	---	---	---	---
	6/28/89	14.08	86.83	---	110,000	31,000	30,000	2,600	16,000	---
	10/3/89	14.53	86.38	---	230,000	34,000	34,000	2,400	15,000	---
	1/4/90	14.49	86.42	---	150,000	41,000	40,000	2,400	15,000	---
	4/3/90	13.66	87.25	---	100,000	31,000	28,000	2,100	16,000	---
	7/3/90	13.86	87.05	---	190,000	30,000	27,000	1,800	13,000	---
	11/6/90	15.58	85.33	---	160,000	27,000	25,000	1,900	15,000	---
	1/4/91	15.25	85.66	---	---	---	---	---	---	---
	4/3/91	11.41	89.50	---	240,000	40,000	36,000	2,400	18,000	---
	7/2/91	14.18	86.73	---	---	---	---	---	---	---
	10/2/91	15.78	85.13	---	220,000	26,000	27,000	2,500	18,000	---
	1/2/92	15.45	85.46	---	---	---	---	---	---	---
	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	---



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)	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	---	---	---	---	---	---
MW-8 99.67	10/27/88	---	---	---	190,000	27,000	43,000	2,200	15,000	---
	1/5/89	12.02	87.65	---	87,000	24,000	39,000	3,000	15,000	---
	4/6/89	11.78	87.89	---	---	---	---	---	---	---
	6/28/89	13.40	86.27	---	120,000	22,000	35,000	2,900	16,000	---
	10/3/89	13.84	85.92	0.11	---	---	---	---	---	---
	1/4/90	13.99	85.76	0.10	---	---	---	---	---	---
	4/3/90	13.07	86.84	0.30	---	---	---	---	---	---
	7/3/90	13.11	86.59	0.04	---	---	---	---	---	---
	11/6/90	14.77	85.02	0.15	---	---	---	---	---	---
	1/4/91	14.59	85.22	0.18	---	---	---	---	---	---
	4/3/91	11.53	88.18	0.05	---	---	---	---	---	---
	7/2/91	13.71	86.34	0.48	---	---	---	---	---	---
	10/2/91	14.84	85.05	0.27	---	---	---	---	---	---
	1/2/92	15.05	84.86	0.30	---	---	---	---	---	---
	4/7/92	12.17	87.73	0.29	---	---	---	---	---	---
	8/13/92	14.96	84.96	0.31	---	---	---	---	---	---
	12/3/92	15.85	84.44	0.78	---	---	---	---	---	---
	3/25/93	10.78	88.89	---	---	---	---	---	---	---
	6/23/93	12.27	87.60	0.25	---	---	---	---	---	---
	9/21/93	13.68	86.25	0.32	---	---	---	---	---	---
	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	---	---	---	---	---	---



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-8	11/14/94	14.06	85.61	0	140,000	12,000	36,000	2,400	17,000	---
(cont)	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	---	---	---	---	---	---
MW-9	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	---
101.15	4/6/89	12.46	88.69	0	---	---	---	---	---	---
	6/28/89	14.04	87.11	0	100,000	510	4,500	2,600	13,000	---
	10/3/89	14.61	86.54	0	130,000	540	8,000	3,200	17,000	---
	1/4/90	14.59	86.56	0	83,000	600	4,600	2,600	14,000	---
	4/3/90	13.75	87.40	0	52,000	1,600	5,400	3,100	16,000	---
	7/3/90	13.84	87.31	0	100,000	520	5,400	3,200	16,000	---
	11/6/90	15.42	85.73	0	---	---	---	---	---	---
	1/4/91	15.37	85.78	0	59,000	1,100	5,600	2,500	13,000	---
	4/3/91	12.27	88.88	0	---	---	---	---	---	---
	7/2/91	14.17	86.98	0	130,000	1,900	7,600	3,600	20,000	---
	10/2/91	15.68	85.47	0	---	---	---	---	---	---
	1/2/92	15.65	85.50	0	100,000	3,300	8,200	2,800	14,000	---
	4/7/92	13.84	87.31	0	---	---	---	---	---	---
	8/13/92	15.50	85.65	0	45,000	1,300	3,000	1,500	7,100	---
	12/3/92	16.66	84.49	0	---	---	---	---	---	---
	3/25/93	11.48	89.67	0	220,000	540	3,200	2,100	18,000	---
	6/23/93	12.83	88.32	0	---	---	---	---	---	---
	9/21/93	14.31	86.84	0	54,000	1,900	3,400	1,700	9,100	---
	12/2/93	14.70	86.46	0.01	---	---	---	---	---	---
	3/8/94	12.63	88.52	0	49,000	800	780	390	3,600	---
	6/13/94	13.65	87.50	0	---	---	---	---	---	---
	10/4/94	15.20	85.95	0	180,000	2,600	5,400	1,700	11,000	---
	11/14/94	14.25	86.90	0	---	---	---	---	---	---
	5/15/95	10.64	90.51	0	---	---	---	---	---	---
	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



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-11 (cont)	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	---	---	---	---	---	---	---	
	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	---	---	---	---	---	---	
99.57	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	
	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	---	---	---	---	---	---	---	---
		4/9/91	---	---	0	170,000	39,000	17,000	2,400	14,000	---
		7/2/91	13.51	---	0	---	---	---	---	---	---
		10/2/91	14.93	---	---	170,000	27,000	15,000	2,600	17,000	---
		1/2/92	14.45	85.19	0	---	---	---	---	---	---
		4/7/92	13.05	86.59	0	---	---	---	---	---	---
		99.22	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	---	---	---	---	---	---	



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-12 (cont)	6/23/93	12.21	87.01	0	110,000	30,000	19,000	2,000	12,000	---
	3/8/94	11.95	87.27	0	---	---	---	---	---	---
	6/13/94	12.35	86.87	0	62,000	6,600	6,900	2,400	9,900	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	10.06	89.16	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	11.60	87.62	0	---	---	---	---	---	---
	11/28/95	16.63	82.59	0	110,000	26,000	22,000	2,300	12,000	1,100
	2/20/96 ¹¹	11.10	88.12	0	---	---	---	---	---	---
	5/29/96	11.48	87.74	0	120,000	18,000	18,000	2,000	11,000	710
	8/27/96	12.50	86.72	0	---	---	---	---	---	---
	11/22/96	12.92	86.30	0	160,000	24,000	22,000	1,900	11,000	980
	2/18/97	9.20	90.02	---	---	---	---	---	---	---
MW-13 98.47	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	---
	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	---	---	---	---	---	---



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-13 (cont)	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
MW-14	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	---
99.68	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
	2/18/97	17.31	82.37	0	190	14	9.6	3.1	15	<5.0
MW-15	8/29/90*	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	---



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 (cont)	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 ¹⁵	---	---	---	---	---	---	---	---	---
	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
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



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 (cont)	11/22/96 2/18/97	19.36 17.22	78.79 80.93	0 0	36,000 62,000	3,500 5,800	120 1,300	1,400 2,200	1,500 8,900	260 160
MW-17 106.00	8/13/92 12/3/92 3/25/93 6/23/93 9/21/93 12/2/93 3/8/94 6/13/94 10/4/94 11/14/94 5/15/95 8/4/95 11/28/95 2/20/96 5/29/96 8/27/96 11/22/96 2/18/97	23.30 24.74 22.14 23.02 23.09 23.37 22.83 22.62 23.00 23.03 21.72 22.37 22.97 21.78 21.72 22.43 22.82 21.31	82.70 81.26 83.86 82.98 82.91 82.63 83.17 83.38 83.00 82.97 84.28 83.63 83.03 84.22 84.28 83.57 83.18 84.69	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<50 <50 <50 <50 <50 — <50 <50 62 550 <50 <50 <50 <50 <50 <50 <50 140	<0.5 <0.5 <0.5 <0.5 <0.5 — <0.5 1.2 8.0 22 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 34	<0.5 <0.5 <0.5 <0.5 <0.5 — <0.5 1.1 2.9 120 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 11	<0.5 <0.5 <0.5 <0.5 <0.5 — <0.5 <0.5 0.7 8.9 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 1.6	<0.5 <0.5 <1.5 1 <0.8 — — 0.9 3.1 84 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 7.7	— — — — — — — — — — — — — — — — — — 71
P-1 86.43	8/13/92 12/3/92 3/25/93	10.02 10.80 8.95	76.41 75.63 77.48	0 0 0	— — —	— — —	— — —	— — —	— — —	— — —
Rinseate	1/5/89 3/8/94	— —	— —	— —	<1,000 <50	<0.3 1	<0.3 1.4	<0.3 <0.5	<0.3 1.5	— —
TBLB	1/5/89 10/3/89 1/4/90 4/3/90 7/3/90 11/6/90 1/4/91 4/3/91 7/2/91 10/2/91	— — — — — — — — — —	— — — — — — — — — —	— — — — — — — — — —	<1,000 <500 <50 <50 <50 <50 <50 <50 <50 <50	<0.3 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<0.3 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<0.3 <0.5 <0.5 <0.5 <0.5 <0.5 <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 ppb	E	X	MTBE ----->
TBLB (cont)	1/2/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	4/7/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	8/13/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	12/3/92	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	3/25/93	---	---	---	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	9/21/93	---	---	---	<50	<0.5	<0.5	<0.5	<0.8	---
	12/2/93	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	3/8/94	---	---	---	<50	0.6	0.8	<0.5	0.6	---
	6/13/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	10/4/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	5/15/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/18/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0



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.



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
	2/18/97	0.01	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.

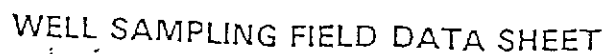
After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging.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



F. C. Price

2-18-97

21995 FOOT HILL Blvd

5110, 85

Hayward CA

9-0266

PAW-4

clay

tion 2 -4 in

Hydrocarbon Thickness

ft

9.47 ft

$$\times 0.117 - 0.66 \quad \times (VF)$$

#Estimated

gal.

Suction Control

Sampling Equipment

D. Barber^V

If yes, Time

Volume

Purging Flow Rate

gpm.

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-	3x 40ml / 11/18/18	Y	MCL	607131	60213-EE M131

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER

Ficline

DATE

2-18-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-3

Well Condition

OK

Well Location Description

Well Diameter

2"-4" in

Hydrocarbon Thickness

0

Total Depth

ft

Depth to Liquid

9.51 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

Suction Candles

Sampling Equipment

D Bailor

Did well dewater

If yes, Time

Volume

Starting Time

Purging Flow Rate

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-</u>	<u>3x 40ml/100</u>	<u>4</u>	<u>MCC</u>	<u>607131</u>	<u>Conductivity, pH, etc.</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

2-18-97

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" $\frac{1}{4}$ in

Hydrocarbon Thickness

0

Total Depth

11.6 ft

Depth to Liquid

10.01 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x

6.59

x

0.17-0.66

x(VF)

4.38

Estimated

13.05 gal.

purge

Volume

Purge Equipment

Suction Canned

Sampling Equipment

D. Barlin

Did well dewater

N/C

If yes, Time

Volume

Starting Time

1308

Purging Flow Rate

1.5

gpm.

Sampling Time

1320

Time

pH

Conductivity

Temperature

Volume

1311

7.06

288

19.1

4.5

1314

6.1

298

19.4

9.0

1317

6.97

297

19.3

13.5

1320

6.95

298

19.4

14.0

Weather Conditions

Clear Sunny warm

Water Color:

Clear

Odor:

N/C

Sediment Description

N/C

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-6	3x 40ml / 1/4"	4	N/C	67181	67181-85 MIBX

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 2-18-97ADDRESS 21995 Foothill Blvd JOB # 5110, 85CITY Hayward CA SS# 9-0260Well ID MW-7 Well Condition OK

Well Location Description _____

Well Diameter 2' 4" in Hydrocarbon Thickness 0.51

Total Depth _____ ft

Depth to Liquid 9.58 ft# of casing 3x Volume 0.17-0.66 x (VF) 0.17 #Estimated 0.17 gal.Purge Equipment Suction Control Sampling Equipment D. Bailer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time _____ Purging Flow Rate _____ gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume

Weather Conditions _____

Water Color: _____ Odor: _____

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-	3x 400ml / 1/4"	4	MLL	607121	607121-1/4"

Comments Bailed 1/2 gallon w/ product

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 2-19-77ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0260Well ID MW-8 Well Condition _____

Well Location Description _____

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

Total Depth _____ ft

Depth to Liquid 911 ft# of casing 3x Volume 0.17 - 0.66 x (VF) #Estimated gal.Purge Equipment Suction Canned Sampling Equipment D. Bailer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time _____ Purging Flow Rate _____ gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume

Weather Conditions _____

Water Color: _____ Odor: _____

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-	3x 40ml / 100	Y	MLC	62121	60513-51-101151

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

2-18-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-9

Well Condition

Clear

Well Location Description

Well Diameter

2'-4" in

Hydrocarbon Thickness

0.005

Total Depth

19.2 ft

Depth to Liquid

9.6 ft

of casing
Volume

3x

9.5'

x 0.17 - 0.66 x (VF) 6.3 #Estimated 18.9 gal.

Purge Equipment

Suction Candles

Sampling Equipment

D. Barker

Did well dewater

No

If yes, Time

Volume

Starting Time

12:42

Purging Flow Rate

116

gpm.

Sampling Time

12:56

Time

12:46

pH

7.74

Conductivity

111

Temperature

20.5

Volume

6.4

12:51

7.00

168 2.22

19.5

12.8

12:54

7.00

2 2.59

19.4

18.2

12:56

6.99

2.00

19.4

20.0

Weather Conditions

Sunny clear warm

Water Color:

Clear

Odor:

Mild

Sediment Description

Mud

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-9	3x 400ml / 1/4" A	4	ML	67121	67121 ML

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 2-18-97
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID MW-10 Well Condition OK

Well Location Description

Well Diameter 2'-4" in Hydrocarbon Thickness 2

Total Depth 27.6 ft

Depth to Liquid 8.49 ft

of casing 3x 19.11 x 0.117-0.66 x (VF) 12.6 #Estimated 37.8 gal.
 Volume

Purge Equipment Suction ^{Stack} ~~Compressor~~ Sampling Equipment D. Bailin #Estimated 37.8 gal.
 Volume

Did well dewater No If yes, Time Volume

Starting Time 10:56 Purging Flow Rate 2 gpm.

Sampling Time 11:16

Time	pH	Conductivity	Temperature	Volume
<u>11:02</u>	<u>7.61</u>	<u>294</u>	<u>21.3</u>	<u>12</u>
<u>11:08</u>	<u>7.72</u>	<u>296</u>	<u>21.7</u>	<u>20</u>
<u>11:14</u>	<u>7.80</u>	<u>298</u>	<u>21.0</u>	<u>30</u>
<u>11:16</u>	<u>7.74</u>	<u>295</u>	<u>21.5</u>	<u>37</u>

Weather Conditions Clear 104°m

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-10</u>	<u>3x 40ml/100%</u>	<u>4</u>	<u>HEC</u>	<u>607121</u>	<u>Consistency, pH, etc.</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

Fitch

DATE

2-18-97

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 1/4" in

Hydrocarbon Thickness

0

Total Depth

18.3 ft

Depth to Liquid

9.23 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing Volume

3x 9.07

x 0.17 + 0.66 x (VF) 5.9 #Estimated 17.9 gal.

Purge Equipment

Suction ~~Gravel~~

Sampling Equipment

D Bailin

Did well dewater

no

If yes, Time

Volume

Starting Time

13:25

Purging Flow Rate

1.5

gpm.

Sampling Time

13:30

Time

pH

Conductivity

Temperature

Volume

13:30

7.20

255

19.1

6

13:33

7.01

262

18.6

12

13:37

7.01

264

19.0

18

13:39

7.00

263

18.9

19

Weather Conditions

Clear sunny warm

Water Color:

clear

Odor:

min

Sediment Description

fine

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

MW-11

3x 40ml/100

4

HCL

67121

6-23-97 MW-11

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

2-18-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-12

Well Condition

0.11

Well Location Description

Well Diameter

2"-4" in

Hydrocarbon Thickness

0

Total Depth

ft

Depth to Liquid

120 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

purge

Volume

gal.

Purge Equipment

Suction Cables

Sampling Equipment

D. Barlin

Did well dewater

If yes, Time

Volume

Starting Time

Purging Flow Rate

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

Weather Conditions

Water Color:

Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

<u>MW-</u>	<u>3x 40ml/1/16</u>	<u>4</u>	<u>MLC</u>	<u>67131</u>	<u>Gas 13.83 MMS</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER FIC/ine DATE 2-18-97

ADDRESS 21995 Foothill Blvd JOB # 5110.85

CITY Hayward CA SS# 9-0260

Well ID MW-13 Well Condition OK

Well Location Description

Well Diameter 2'-4" in Hydrocarbon Thickness 0

Total Depth 18' ft

Depth to Liquid 9.16 ft

of casing 3x 8.84 x 0.17-0.66 x (VF) 5.1% #Estimated 17.5 gal.

Purge Equipment Suction ~~Compressor~~ Sampling Equipment D Barler

Did well dewater No If yes, Time Volume

Starting Time 12:31 Purging Flow Rate 1.5 gpm.

Sampling Time 1238

Time	pH	Conductivity	Temperature	Volume
<u>1238</u>	<u>7.17</u>	<u>253</u>	<u>21.1</u>	<u>6</u>
<u>1239</u>	<u>6.97</u>	<u>242</u>	<u>21.3</u>	<u>12</u>
<u>1239</u>	<u>6.98</u>	<u>241</u>	<u>21.2</u>	<u>18</u>
<u>1239</u>	<u>6.97</u>	<u>242</u>	<u>21.3</u>	<u>19</u>

Weather Conditions Sunny clear warm

Water Color: clear Odor: MW

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-13</u>	<u>3x 40ml/11/14</u>	<u>4</u>	<u>MCL</u>	<u>67121</u>	<u>Conductivity MW-13</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

2-18-97

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-14

Well Condition

Open

Well Location Description

Well Diameter

2'-4" in

Hydrocarbon Thickness

Total Depth

31' ft

Depth to Liquid

7.31 ft

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

of casing
Volume

3x 13.64

0.17 + 0.66 x (VF) 3.3 #Estimated 6.98 gal.

Purge Equipment

Suction ~~Gravel~~ ^{Suck}

Sampling Equipment

D. Barlin

Did well dewater

No

If yes, Time

Volume

Starting Time

11:29

Purging Flow Rate

1.2

gpm.

Sampling Time

11:31

Time

pH

Conductivity

Temperature

Volume

11:31

7.1

210

20.5

2.4

11:33

7.61

209

20.5

4.8

11:35

7.49

210

20.5

7.2

11:37

7.50

208

20.5

3.0

Weather Conditions

Clear warm

Water Color:

None

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

MW-14

3x 40ml/11/11

4

MLL

67121

Gas & Oil Analysis

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Cline DATE 2-18-97
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID MAW-15 Well Condition OK

Well Location Description _____

Well Diameter 2'-4" in Hydrocarbon Thickness 5

Total Depth 33' ft

Depth to Liquid 12.17 ft

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

of casing 3x 9.8' x 0.17-0.66 x (VF) 1.6 #Estimated 4.8 gal.
 Volume

Purge Equipment Suction Stack Sampling Equipment D. Bailin

Did well dewater Yes If yes, Time _____ Volume _____

Starting Time 11:40 Purging Flow Rate 1 gpm.

Sampling Time 11:50

Time	pH	Conductivity	Temperature	Volume
<u>11:43</u>	<u>7.50</u>	<u>253</u>	<u>20.6</u>	<u>3</u>
<u>11:47</u>	<u>7.47</u>	<u>253</u>	<u>20.7</u>	<u>4</u>
<u>11:53</u>	<u>7.48</u>	<u>251</u>	<u>21.0</u>	<u>6</u>
<u>11:58</u>	<u>7.50</u>	<u>253</u>	<u>20.9</u>	<u>7</u>

Weather Conditions Sunny 115°F

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MAW-15</u>	<u>3x 200ml / NA</u>	<u>4</u>	<u>MLC</u>	<u>67131</u>	<u>CONDUCTIVITY, pH, etc.</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

2-18-97

ADDRESS

21995 FOOTHILL BLVD

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-16

Well Condition

Open

Well Location Description

Well Diameter

2'-4" in

Hydrocarbon Thickness

0

Total Depth

333 ft

Depth to Liquid

17.22 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing

3x

20.78

Volume

0.17-0.66

x(VF)

3.5

#Estimated

10.1

gal.

Purge Equipment

Suction Candles

Sampling Equipment

D Bailin

purge
Volume

Did well dewater

No

If yes, Time

Volume

Starting Time

1201

Purging Flow Rate

1.2

gpm.

Sampling Time

1213

Time

pH

Conductivity

Temperature

Volume

1201

7.04

227

23.8

3.6

1207

7.05

226

19.10

7.2

1210

7.02

223

18.16

10.8

1213

7.04

224

18.17

11.0

Weather Conditions

Clear warm

Water Color:

Clear

Odor:

Mild

Sediment Description

Nil

LABORATORY INFORMATION

Sample ID

Container

Refrig

Preservative Type

Lab

Analysis

MW-16

3x 40ml/1/1/1

4

MLL

67131

6053131 M132

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER E.C. Cole DATE 2-13-77

ADDRESS 21995 Foothill Blvd JOB # 5110.85

CITY Hayward CA SS# 4-0266

Well ID NAK-17 Well Condition Good

Well Location Description _____

Well Diameter 2'-4" in Hydrocarbon Thickness 6'

Total Depth 23.6 ft

Depth to Liquid 21.31 ft

of casing 3x 12.29 x 0.17-0.60 x (VF) 2.1 #Estimated 1.3 gal.

Purge Equipment Suction Sampling Equipment D. Bailer

Did well dewater 1 If yes, Time _____ Volume _____

Starting Time 1038 Purging Flow Rate 1.1 gpm.

Sampling Time 677

Time	pH	Conductivity	Temperature	Volume
<u>1040</u>	<u>7.78</u>	<u>304</u>	<u>20.13</u>	<u>2.2</u>
<u>1041</u>	<u>7.46</u>	<u>273</u>	<u>20.11</u>	<u>4.4</u>
<u>1044</u>	<u>7.51</u>	<u>274</u>	<u>20.00</u>	<u>6.6</u>
<u>1048</u>	<u>7.44</u>	<u>273</u>	<u>20.11</u>	<u>8.8</u>

Weather Conditions Clear 14.50 M

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>NAK-17</u>	<u>3x 0.5m/PA</u>	<u>4</u>	<u>MLL</u>	<u>67181</u>	<u>67181-18 P.P. 1/2</u>

Comments _____

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

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

Chevron Contact (Name) Mr. Phil Briggs
(Phone) (510) 842-9135
Laboratory Name NEI/GTEL Service Code: ZZ02790
Laboratory Service Order # 9033189
Samples Collected by (Name) F. C. Lee
Collection Date 2-13-97
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed												Remarks
								TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
713-03	2	2	W	TS	11/16		Y	X												
MW-10	3	3		G	11/16			X												
MW-11	3	3			10/16			X												
MW-14	4	4			11/37			X												
MW-15	8	8			11/54			X												
MW-16	16	16			12/13			X												
MW-13	12	12			12/38			X												
MW-9	18	18			12/30			X												
MW-6	3	3			13/10			X												
MW-11	16	16	↓	↓	13/39	↓	↓	X												

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>2-19-97</u>	Received By (Signature) <u>D. Harding</u>	Organization <u>G-R Inc.</u>	Date/Time <u>2/19/97</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days 10 Days As Contracted
Relinquished By (Signature) <u>D. Harding</u>	Organization <u>G-R</u>	Date/Time <u>2/19/97 10:30</u>	Received By (Signature) <u>John Weber</u>	Organization <u>NEI/GTEL</u>	Date/Time <u>2/19/97 10:30</u>	
Relinquished By (Signature) <u>John Weber</u>	Organization <u>NEI/GTEL</u>	Date/Time <u>2/19/97 13:30</u>	Received For Laboratory By (Signature) <u>Sammy [Signature]</u>		Date/Time <u>2/20/97 08:50</u>	



Midwest Region

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

March 20, 1997

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

GETTLER-RYAN
6747 SIERRA CT.
DUBLIN, CA 94568

RE: NEI/GTEL Client ID:	GTR01CHV08
Login Number:	W7020283
Project ID (number):	5110.80
Project ID (name):	CHEVRON/9-0260/21995 FOOTHILL BLVD/HAYWARD/CA

Dear Deanna Harding:

This report, previously dated 02/28/97, is a reissue.

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 02/20/97.

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 1845.

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: W7020283

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	W7020283-01	W7020283-02	W7020283-03	W7020283-04
Client ID	TB-LB	MW-10	MW-17	MW-14
Date Sampled		02/18/97	02/18/97	02/18/97
Date Analyzed	02/28/97	02/28/97	02/28/97	02/28/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	71.	< 5.0
Benzene	0.5	ug/L	< 0.5	0.7	34.	14.
Toluene	0.5	ug/L	< 0.5	< 0.5	11.	9.6
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	1.6	3.1
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	7.7	15.
BTEX (total)	--	ug/L	--	0.7	54.	42.
TPH as Gasoline	50	ug/L	< 50	< 50	140	190

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: W7020283

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	W7020283-05	W7020283-06	W7020283-07	W7020283-08
Client ID	MW-15	MW-16	MW-13	MW-9
Date Sampled	02/18/97	02/18/97	02/18/97	02/18/97
Date Analyzed	02/28/97	02/28/97	02/28/97	02/28/97
Dilution Factor	1.00	25.0	25.0	25.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	160	310	510
Benzene	0.5	ug/L	< 0.5	5800	4500	1800
Toluene	0.5	ug/L	< 0.5	1300	4100	3800
Ethylbenzene	0.5	ug/L	< 0.5	2200	2500	2300
Xylenes (total)	0.5	ug/L	< 0.5	8900	7900	13000
BTEX (total)	--	ug/L	--	18000	19000	21000
TPH as Gasoline	50	ug/L	< 50	62000	69000	78000

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: W7020283

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	W7020283-09	W7020283-16	--	--
Client ID	MW-6	MW-11	--	--
Date Sampled	02/18/97	02/18/97	--	--
Date Analyzed	02/28/97	02/28/97	--	--
Dilution Factor	25.0	25.0	--	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	400	510	--	--
Benzene	0.5	ug/L	3700	7100	--	--
Toluene	0.5	ug/L	160	3100	--	--
Ethylbenzene	0.5	ug/L	720	830	--	--
Xylenes (total)	0.5	ug/L	1800	4200	--	--
BTEX (total)	--	ug/L	6400	15000	--	--
TPH as Gasoline	50	ug/L	14000	42000	--	--

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: W7020283

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

QUALITY CONTROL RESULTS

Login Number: W7020283

Project ID (number): 5110.80

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

Volatile Organics

Method: EPA 8020A

Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A	Acceptability Limits:		43-136%
022797GC17-1	CV0227972017	Calibration Verifi	97.0
022797GC17-13	DP02028303	Duplicate	84.2
022797GC17-14	MS02025601	Matrix Spike	74.8
022797GC17-6	BW02279717	Method Blank Water	92.1
--	02028301	TB-LB	90.7
--	02028302	MW-10	95.0
--	02028303	MW-17	95.2
--	02028304	MW-14	95.2
--	02028305	MW-15	56.8
--	02028306	MW-16	94.7
--	02028307	MW-13	101.
--	02028308	MW-9	128.
--	02028309	MW-6	108.
--	02028316	MW-11	107.

Notes:

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

Project ID (Number): 5110.80
Project ID (Name): Chevron SS #9-0260
21995 Foothill Blvd.
Hayward, CA
Work Order Number: W7-02-0283
Date Reported:

METHOD BLANK REPORT

Volatile Organics in Water
EA Method 8020A

Date of Analysis: 28-Feb-97 QC Batch No: 022797GC17-6

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: W7020283

Volatile Organics

Project ID (number): 5110.80

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:022797GC17-1		
Benzene	20.0	20.3	102.	77-123%
Toluene	20.0	20.2	101.	77.5-122.5%
Ethylbenzene	20.0	20.6	103.	63-137%
Xylenes (Total)	60.0	64.0	107.	85-115%
TPH as Gasoline	500	567	113.	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Wichita, KS

W7020283:4

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7020283

Volatile Organics

Project ID (number): 5110.80

Method: EPA 8020A

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

Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A	QC Batch: 022797GC17-13 GTEL Sample ID: W7020283-03			
Units: ug/L	Client ID: MW-17			
MTBE	508.	489.	3.81	20
Benzene	7120	6970	2.13	23.9
Toluene	3130	3020	3.58	27.2
Ethylbenzene	828.	815.	1.58	21.6
Xylenes (Total)	4220	4120	2.40	22.0
TPH as Gasoline	42000	42200	0.475	20

Notes:

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

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7020283

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:W7020256-01			MS ID:MS02025601		
Analysis Date: 28-FEB-97			28-FEB-97		
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.000)	20.0	19.5	97.5	67-110
Toluene	< 0.5 (0.000)	20.0	19.3	96.5	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	18.8	94.0	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	62.2	104.	62-119

Notes:

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