

ENVIRONMENTAL
PROTECTION



Chevron

July 6, 1998

98 JUL -8 PM 2: 09

Ms. Madhulla Logan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

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 Ms. Logan:

Enclosed is the Second Quarter Groundwater Monitoring Report for 1998 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, MW-17 and MW-18 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.

In the Fourth Quarter Sampling Report, it was noted that the laboratory results reported by GTEL laboratory were suspect and that we would wait the results of the 2nd quarter sampling event before requesting consideration be given to remove these results from the analytical data table. The concentrations in wells MW-4, MW-5, MW-7, MW-8, and MW-12 declined from the 4th quarter results so that it appears that the GTEL results may have been compromised, since the lab was in the process of closing. The lab closed within two to three weeks after submittal of the lab data.

The benzene constituent declined in monitoring wells MW-4, MW-5, MW-7, MW-8, MW-12, MW-15, MW-16, MW-17 and MW-18 from the previous sampling event. It appears that the remediation system has had an effect in reducing the concentrations of benzene detected in wells MW-4, MW-5, MW-7, MW-8, MW-12 and MW-18. In monitoring wells MW-10 and MW-17, the concentrations of all constituents were below method detection limits. The benzene constituent increased in well MW-14, however, this well is too far downgradient of the site so that the remediation system would not have any direct effect on it.

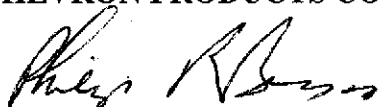
July 6, 1998
Ms. Madhulla Logan
Former Chevron Service Station #9-0260
Page 2

The concentration of benzene detected in well MW-17 in the last sampling event appears to have been an anomaly since the concentration of benzene in this sampling event, was below method detection limits.

Depth to ground water varied from 6.14 feet to 17.91 feet below grade with direction of flow varying southwest from well MW-10 to well MW-14; southerly from well MW-15 to MW-16 and easterly from well MW17 to MW-16.

Chevron will continue to monitor the site based on the schedule noted above. If you have any questions call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manger

Enclosure

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

Mr. Tony Dahl
Project Manager
Terra Vac Corporation
1651 Alvarado Street
San Leandro, CA 94577

Ms. P. Cecilia Storr
Varni, Fraser, Harwell & Rodgers
Attorneys at Law
PO Box 570
Hayward, CA 94543-0570

Ms. Bette Owen, Chevron



GETTLER-RYAN INC.

June 29, 1998

Job #5110.80

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

Re: Second Quarter 1998 Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, California

Dear Mr. Briggs:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On May 21, 1998, field personnel were on-site to monitor fifteen wells (MW-4 through MW-18) and sample eleven wells (MW-4, MW-5, MW-7, MW-8, MW-10, MW-12 and MW-14 through MW-18) at the above mentioned site.

Static groundwater levels were measured and 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 Sequoia Analytical. 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.

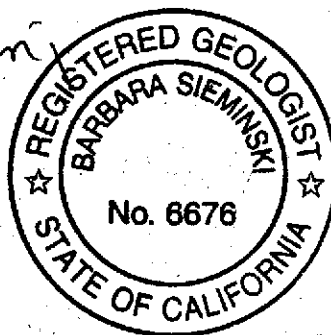
Sincerely,

Deanna L. Harding

Deanna L. Harding
Project Coordinator

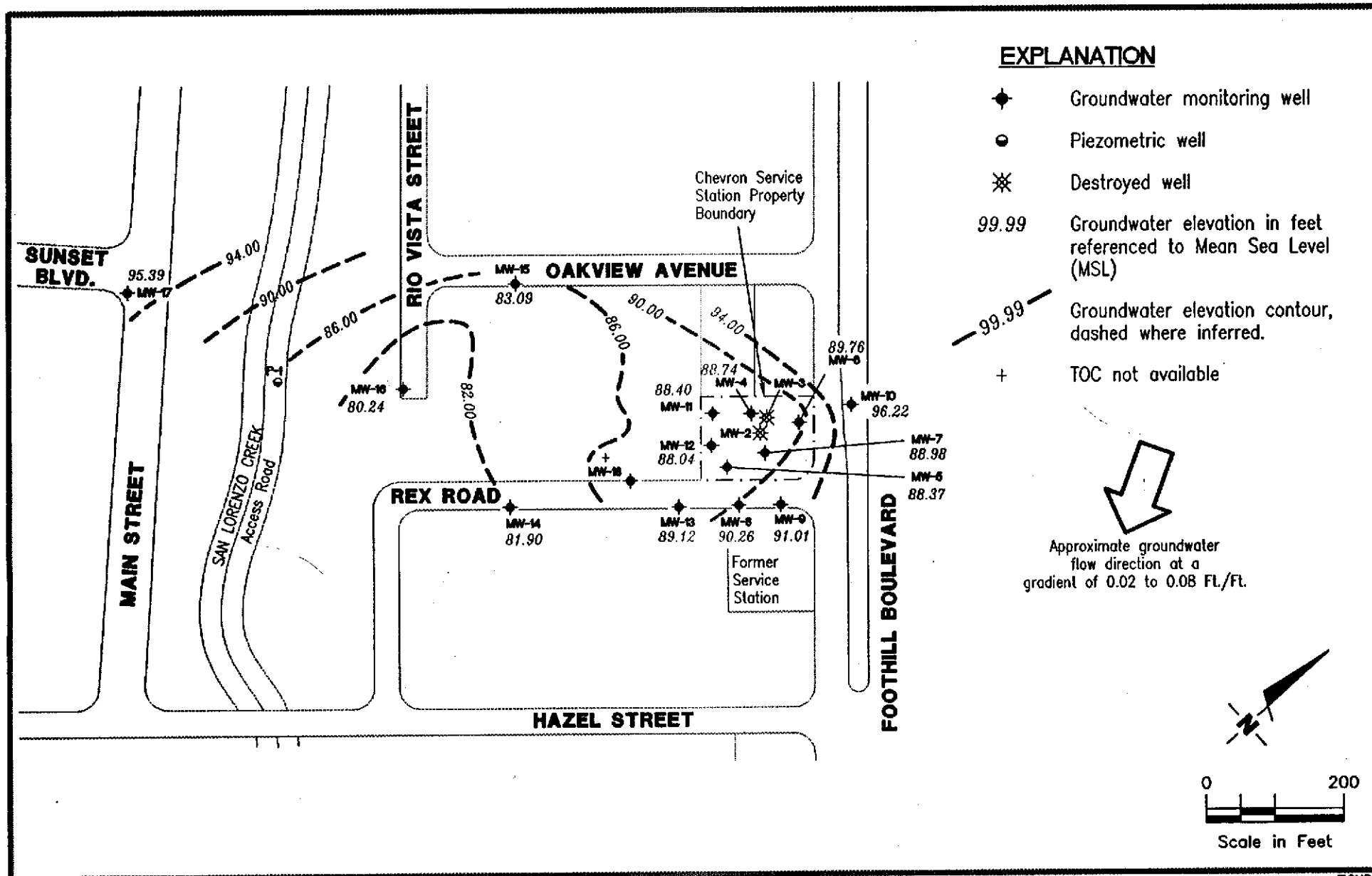
Barbara Sieminski

Barbara Sieminski
Project Geologist, R.G. No. 6676



DLH/SJC/dlh
5110.QML

- Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Table 2: Product Thickness and Product Bailed
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 (925) 551-7555
Dublin, CA 94568

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

FIGURE

1

JOB NUMBER

5110

REVIEWED BY

DATE

May 21, 1998

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) <-----ppb----->	B	T	E	X	MTBE
MW-4	2/5/88	---	---	0	88,000	24,000	19,000	1,700	10,000	---
	6/15/88	12.92	87.83	0	95,000	45,000	30,000	2,100	17,000	---
100.75	9/27/88 ^{1,2}	14.22	86.53	0	500,000	41,000	27,000	<5,000	16,000	---
	9/27/88 ^{1,3,4}	---	---	0	88,000	1,200	4,100	1,600	12,000	---
	1/5/89	13.20	87.55	0	64,000	41,000	29,000	2,700	14,000	---
	4/6/89	12.32	88.43	---	---	---	---	---	---	---
	6/28/89	14.25	86.50	0	110,000	34,000	24,000	2,400	13,000	---
	10/3/89	14.75	86.00	0	240,000	36,000	31,000	3,200	19,000	---
	1/4/90	14.75	86.00	0	130,000	33,000	28,000	2,400	14,000	---
	4/3/90	13.81	86.94	0	110,000	41,000	32,000	2,900	17,000	---
	7/3/90	14.06	86.69	0	180,000	32,000	30,000	2,600	15,000	---
	11/6/90	15.66	85.09	0	170,000	31,000	30,000	2,700	17,000	---
	1/4/91	15.18	85.87	---	---	---	---	---	---	---
	4/3/91	11.00	89.75	0	130,000	21,000	24,000	2,300	14,000	---
	7/2/91	14.25	86.50	---	---	---	---	---	---	---
	10/2/91	16.16	84.59	0	240,000	27,000	33,000	2,600	16,000	---
	1/2/92	15.26	85.49	---	---	---	---	---	---	---
	4/7/92	12.38	88.37	---	---	---	---	---	---	---
	8/13/92	16.68	84.05	---	---	---	---	---	---	---
100.73	12/3/92	16.17	84.58	---	1,300,000	17,000	41,000	12,000	90,000	---
	3/25/93	10.50	90.23	---	---	---	---	---	---	---
	10/4/94	12.84	87.89	0	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	11.37	89.36	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	12.30	88.43	0	---	---	---	---	---	---
	11/28/95	14.65	86.08	0	97,000	23,000	18,000	1,400	8,800	430
	2/20/96 ¹¹	7.90	92.83	0	---	---	---	---	---	---
	5/29/96	11.00	89.73	0	59,000	11,000	11,000	740	4,400	<500
	8/27/96	13.24	87.49	0	---	---	---	---	---	---
	11/22/96	11.50	89.23	0	130,000	20,000	14,000	1,200	7,000	21,000
	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
	11/25/97	13.90	86.83	0	460,000 ¹⁵	44,000	45,000	4,000	19,000	290,000
	2/25/98	13.70	87.03	0	---	---	---	---	---	---
	5/21/98	11.99	88.74	0	100,000	11,000	8,600	720	4,200	3,100
MW-5	2/5/88	---	---	0	80,000	16,000	15,000	2,600	17,000	---
	6/15/88	12.30	87.67	0	77,000	42,000	38,000	2,500	16,000	---
99.97	9/27/88 ^{1,2}	13.25	86.72	0	470,000	39,000	32,000	<5,000	16,000	---
	9/27/88 ^{3,5}	---	---	---	48,000	1,800	3,500	1,600	10,000	---
	1/5/89	12.70	87.27	0	82,000	44,000	37,000	2,400	14,000	---

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-5 (cont)	4/6/89	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	---
	7/3/90	13.64	86.33	0	200,000	28,000	25,000	1,800	10,000	---
	11/6/90	15.14	84.83	0	370,000	38,000	36,000	4,700	31,000	---
	1/4/91	14.90	85.08	0.01	---	---	---	---	---	---
	4/3/91	11.56	88.41	0	140,000	36,000	32,000	2,700	17,000	---
	7/2/91	13.89	86.08	0	---	---	---	---	---	---
	10/2/91	15.26	84.71	0	230,000	34,000	31,000	2,700	16,000	---
	1/2/92	14.97	85.00	0	---	---	---	---	---	---
	4/7/92	13.44	86.53	0	220,000	35,000	30,000	2,500	14,000	---
	8/13/92	15.61	84.36	0	---	---	---	---	---	---
	12/3/92	16.29	83.68	<0.02 ⁶	---	---	---	---	---	---
	3/25/93	10.97	89.00	0	---	---	---	---	---	---
	6/23/93	12.60	87.40	0.04	---	---	---	---	---	---
	9/21/93	14.00	85.99	0.03	---	---	---	---	---	---
	12/2/93	14.27	85.73	0.04	---	---	---	---	---	---
	3/8/94	12.16	87.81	0	---	---	---	---	---	---
	6/13/94	13.01	87.22	0.32	---	---	---	---	---	---
	10/4/94	15.56	84.41	0	---	---	---	---	---	---
	11/14/94	13.35	86.62	0	1,100,000	64,000	69,000	9,200	61,000	---
	5/15/95	10.18	89.79	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	11.77	88.20	0	---	---	---	---	---	---
	11/28/95	14.22	85.75	0	320,000	34,000	38,000	5,800	31,000	2,000
	2/20/96 ¹¹	10.37	89.60	Sheen	---	---	---	---	---	---
	5/29/96	10.89	89.08	0	150,000	23,000	25,000	2,200	12,000	<500
	8/27/96	12.75	87.22	0	---	---	---	---	---	---
	11/22/96	12.47	87.50	0	170,000	25,000	27,000	2,000	12,000	<500
	2/18/97	9.51	90.46	0	---	---	---	---	---	---
	5/23/97	12.25	87.72	0	160,000	29,000	34,000	2,900	16,000	<250
	8/4/97	12.88	87.09	0	130,000	27,000	31,000	2,500	13,000	<500
	11/25/97	14.81	85.16	0	310,000 ¹⁵	52,000	59,000	5,500	28,000	3,300
	2/25/98	17.46	82.51	0	---	---	---	---	---	---
	5/21/98	11.60	88.37	0	220,000	20,000	26,000	2,000	10,000	8,500
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	---

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)	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	---
	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
	11/25/97	14.21	87.22	0	---	---	---	---	---	---
	2/25/98	14.85	86.58	0	30,000	2,400	910	740	4,000	2,600
	5/21/98	11.67	89.76	0	---	---	---	---	---	---
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	---
	9/27/88 ^{1,7}	13.60	87.31	---	30,000	9,700	8,900	400	4,100	---
100.91	1/5/89	12.98	87.93	---	96,000	36,000	38,000	2,800	16,000	---

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-7 (cont)	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	---
	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	8,300	210	580	130	1,400	<250
	8/4/97	13.23	87.68	0	96,000	12,000	16,000	2,300	14,000	3,600
	11/25/97	16.30	84.61	0	140,000	18,000	32,000	2,400	13,000	1,100
	2/25/98	17.02	83.89	0	---	---	---	---	---	---
	5/21/98	11.93	88.98	0	150,000	7,100	15,000	1,700	9,600	21,000
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	---
	4/6/89	11.78	87.89	---	---	---	---	---	---	---
99.67	6/28/89	13.40	86.27	---	120,000	22,000	35,000	2,900	16,000	---

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-8 (cont)	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	---	---	---	---	---	---
	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	140,000	8,000	38,000	3,500	18,000	< 500
	11/25/97	17.05	82.62	0	290,000 ¹⁵	15,000	71,000	7,400	36,000	3,600
	2/25/98	10.03	89.64	0	---	---	---	---	---	---
	5/21/98	9.41	90.26	0	110,000	2,800	11,000	1,200	9,800	660
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	---

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)	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
	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	---	---	---	---	---	---
	8/4/97	13.00	88.15	0	73,000	2,600	2,200	440	9,600	370
	11/25/97	17.12	84.03	0	---	---	---	---	---	---
	2/25/98	12.69	88.46	0	34,000	150	510	1,300	6,400	<250
	5/21/98	10.14	91.01	0	---	---	---	---	---	---
MW-10 102.36	10/27/88 ¹	---	---	---	<500	26	13	<5	<5	---
	1/5/89	12.64	89.72	0	<1,000	<0.3	<0.3	<0.3	<0.3	---
	4/6/89	11.38	90.98	---	---	---	---	---	---	---
	6/28/89	13.64	88.72	0	<500	<0.5	<0.5	<0.5	<0.5	---
	10/3/89	13.85	88.51	0	<500	<0.5	<0.5	<0.5	<0.5	---
	1/4/90	13.75	88.61	0	<50	0.5	1.1	<0.5	1.7	---
	4/3/90	12.86	89.50	0	<50	<0.5	<0.5	<0.5	<0.5	---
	7/3/90	13.43	88.93	---	---	---	---	---	---	---

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-10 (cont)	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	---	---	---	---	---	---	---
	12/13/92	13.96	88.40	---	---	---	---	---	---	---
	3/25/93	8.45	93.91	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	11.60	91.03	0	---	---	---	---	---	---
	9/21/93	13.32	89.31	0	---	---	---	---	---	---
	12/2/93	13.27	89.36	0	---	---	---	---	---	---
	3/8/94	10.85	91.51	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	---	---	---	---	---	---	---	---	---
	10/4/94	13.90	88.46	0	---	---	---	---	---	---
	11/14/94	11.80	90.56	0	<50	<0.5	<0.5	<0.5	<0.5	---
	5/15/95	8.98	93.38	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	10.44	91.92	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	13.55	88.81	0	<50	1.6	0.81	<0.5	<0.5	<0.60
	2/20/96	8.52	93.84	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	9.20	93.16	0	<50	<0.5	<0.5	<0.5	0.9	<5.0
	8/27/96	12.01	90.35	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	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
	11/25/97	13.30	89.06	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/25/98	7.82	94.54	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	5/21/98	6.14	96.22	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-11 99.97	6/28/89	14.33	85.64	0	60,000	36,000	13,000	2,500	12,000	---
	10/3/89	14.61	85.36	0	14,000	4,200	1,400	240	1,300	---
	1/4/90	14.55	85.42	0	82,000	33,000	11,000	2,000	10,000	---
	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	---	---	---	---	---	---	---	---

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-11 (cont)	1/2/92	14.51	85.46	0	77,000	18,000	14,000	1,900	10,000	---
	4/7/92	13.13	86.84	0	---	---	---	---	---	---
	8/13/92	17.04	82.53	---	---	---	---	---	---	---
99.57	12/3/92	15.59	83.98	---	---	---	---	---	---	---
	3/25/93	10.06	89.51	---	110,000	13,000	2,100	5,900	9,800	---
	3/8/94	11.70	87.87	0	---	---	---	---	---	---
	6/13/94	12.16	87.41	0	---	---	---	---	---	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	10.02	89.55	---	---	---	---	---	---	---
	8/4/95	11.82	87.75	0	33,000	9,400	3,000	1,800	6,100	---
	11/28/95 ¹¹	16.72	82.85	0	---	---	---	---	---	---
	2/20/96	10.00	89.57	0	22,000	4,500	2,200	560	3,500	< 120
	5/29/96 ¹¹	11.14	88.43	0	---	---	---	---	---	---
	8/27/96	13.13	86.44	0	85,000	10,000	6,600	1,500	6,500	260
	11/22/96	12.10	87.47	0	---	---	---	---	---	---
	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
	11/25/97	13.86	85.71	0	---	---	---	---	---	---
	2/25/98	17.02	82.55	0	34,000	5,200	2,200	1,200	4,400	5,000/5,300 ¹⁶
	5/21/98	11.17	88.40	0	---	---	---	---	---	---
MW-12	6/28/89	14.10	85.54	0	55,000	30,000	21,000	2,900	19,000	---
	10/3/89	14.30	85.34	0	170,000	30,000	23,000	2,700	15,000	---
99.64	1/4/90	14.35	85.29	0	110,000	24,000	19,000	2,300	12,000	---
	4/3/90	13.59	86.05	0	89,000	41,000	28,000	3,300	17,000	---
	7/3/90	13.77	85.87	0	170,000	27,000	20,000	2,200	12,000	---
	11/6/90	15.19	84.45	0.06	110,000	28,000	21,000	2,400	14,000	---
	1/4/91	14.52	---	---	---	---	---	---	---	---
	4/3/91	10.91	---	---	---	---	---	---	---	---
	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	---	---	---	---	---	---
	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	---	---	---	---	---	---

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-12 (cont)	6/13/94	12.35	86.87	0	62,000	6,600	6,900	2,400	9,900	---
	10/4/94 ¹⁰	---	---	---	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	10.06	89.16	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	11.60	87.62	0	---	---	---	---	---	---
	11/28/95	16.63	82.59	0	110,000	26,000	22,000	2,300	12,000	1,100
	2/20/96 ¹¹	11.10	88.12	0	---	---	---	---	---	---
	5/29/96	11.48	87.74	0	120,000	18,000	18,000	2,000	11,000	710
	8/27/96	12.50	86.72	0	---	---	---	---	---	---
	11/22/96	12.92	86.30	0	160,000	24,000	22,000	1,900	11,000	980
	2/18/97	9.20	90.02	---	---	---	---	---	---	---
	5/23/97	12.00	87.22	0	130,000 ¹⁴	27,000	22,000	2,700	15,000	6,200
	8/4/97	12.58	86.64	0	130,000	23,000	28,000	2,700	13,000	11,000
	11/25/97	13.92	85.30	0	290,000 ¹⁵	53,000	31,000	6,400	30,000	35,000
	2/25/98	18.21	81.01	0	---	---	---	---	---	---
	5/21/98	11.18	88.04	0	150,000	14,000	16,000	1,800	250	66,000/69,000 ¹⁶
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	---	---	---	---	---	---

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
MW-13 (cont)	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
	11/25/97	13.12	85.35	0	---	---	---	---	---	---
	2/25/98	10.51	87.96	0	42,000	3,800	1,000	2,000	5,000	<250
	5/21/98	9.35	89.12	0	---	---	---	---	---	---
MW-14 99.68	8/29/90 ⁸	21.39	78.29	0	970	4	2	0.7	2	---
	11/6/90	21.62	78.06	0	920	10	10	4	9	---
	1/4/91	21.69	77.99	0	1,000	<0.5	4.0	2.6	4.2	---
	4/3/91	19.53	80.15	0	1,200	380	6	7	18	---
	7/2/91	20.93	78.75	0	460	27	1.0	1.2	1.0	---
	10/2/91	21.52	78.16	0	480	6.7	0.8	1.4	1.8	---
	1/2/92	21.43	78.25	0	1,100	2.4	1.5	6.2	18	---
	4/7/92	21.36	78.32	0	290	<0.5	1.4	<0.5	1.2	---
	8/13/92	21.07	78.61	0	370	10	1.2	<0.5	0.9	---
	12/3/92	21.67	78.01	0	230	1.3	<0.5	<0.5	<0.5	---
	3/25/93	19.03	80.65	0	390	57	2.1	1.3	1.7	---
	6/23/93	19.94	79.74	0	4,400	460	220	16	62	---
	9/21/93	20.65	79.03	0	680	8.7	1.7	3.2	12	---
	12/2/93	21.05	78.63	0	900	0.8	7	3	7	---
	3/8/94	20.05	79.63	0	1,700	2.4	7.7	5.6	14	---
	6/13/94	20.21	79.47	0	750	0.8	8.0	3.2	5.7	---
	10/4/94	20.70	78.98	0	130	3.4	5.4	<0.5	2.0	---
	11/14/94	20.00	79.68	0	9,900	620	1,600	120	920	---
	5/15/95	18.49	81.19	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	19.38	80.30	0	1,000	170	58	6.6	20	---
	11/28/95	20.33	79.35	0	1,500	300	72	65	190	<6.0
	2/20/96	16.96	82.72	0	70	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	18.58	81.10	0	1,600	170	39	5.0	21	6.3
	8/27/96	19.79	79.89	0	80	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	19.55	80.13	0	620	49	13	7.2	22	210
	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
	11/25/97	19.77	79.91	0	530	42	62	10	37	<5.0

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE ----->
MW-14 (cont)	2/25/98	14.28	85.40	0	220	26	10	7.0	22	23
	5/21/98	17.78	81.90	0	8,300	1,400	48	29	59	<50
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 ¹²	---	---	---	---	---	---	---	---	---
	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
	11/25/97	15.39	80.67	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/25/98	6.53	89.53	0	4,300	27	<10	37	46	<50
	5/21/98	12.97	83.09	0	430	25	<0.50	2.3	1.2	<2.5
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	---

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----	B	T	E	X	MTBE ----->
						ppb				
MW-16 (cont)	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
	11/25/97	19.73	78.42	0	38,000	3,900	370	2,400	3,000	250
	2/25/98	14.02	84.13	0	60,000	6,400	1,400	2,200	13,000	<1,000
	5/21/98	17.91	80.24	0	71,000	5,100	1,200	2,300	8,200	560
MW-17 106.00	8/13/92	23.30	82.70	0	<50	<0.5	<0.5	<0.5	<0.5	---
	12/3/92	24.74	81.26	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/25/93	22.14	83.86	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	23.02	82.98	0	<50	<0.5	<0.5	<0.5	1	---
	9/21/93	23.09	82.91	0	<50	<0.5	<0.5	<0.5	<0.8	---
	12/2/93	23.37	82.63	0	---	---	---	---	---	---
	3/8/94	22.83	83.17	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	22.62	83.38	0	<50	1.2	1.1	<0.5	0.9	---
	10/4/94	23.00	83.00	0	62	8.0	2.9	0.7	3.1	---
	11/14/94	23.03	82.97	0	550	22	120	8.9	84	---
	5/15/95	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	22.37	83.63	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	22.97	83.03	0	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	21.78	84.22	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	22.43	83.57	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0

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)	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
	11/25/97	22.91	83.09	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/25/98	19.63	86.37	0	<50	3.8	3.3	1.3	4.2	3.5
	5/21/98	10.61	95.39	0	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-18	8/4/97	16.60	---	0	66,000	8,600	6,100	2,800	12,000	190
	11/25/97	16.22	---	0	90,000	8,500	6,000	3,400	14,000	1,200
	2/25/98	12.75	---	0	60,000	6,600	4,000	2,300	11,000	<120
	5/21/98	15.24	---	0	70,000	4,700	1,800	1,700	9,600	880
P-1 86.43	8/13/92	10.02	76.41	0	---	---	---	---	---	---
	12/3/92	10.80	75.63	0	---	---	---	---	---	---
	3/25/93	8.95	77.48	0	---	---	---	---	---	---
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	<0.8	---
	12/2/93	---	---	---	<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) <-----ppb----->	B	T	E	X	MTBE
TB-LB (cont)	3/8/94	---	---	---	<50	0.6	0.8	<0.5	0.6	---
	6/13/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	10/4/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/94	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	5/15/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/18/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/23/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/4/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/97	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/25/98	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5
	5/21/98	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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 (msl)
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
TB-LB = Trip Blank

ANALYTICAL METHODS:

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

NOTES:

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

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

- ¹ Samples analyzed by Fuel Fingerprint Analysis.
- ² EDB not detected at detection limits of 5,000 ppb.
- ³ Sample was analyzed a second time after the holding time expired to confirm the high TPH-G concentration reported in the original analysis.
- ⁴ DCE and EDB detected at 270 and 230 ppb, respectively.
- ⁵ DCE and EDB detected at 410 and 420 ppb, respectively.
- ⁶ Estimated thickness.
- ⁷ DCE detected at 2,600 ppb. EDB not detected at detection limits of 10 ppb.
- ⁸ DCE was detected at 1 ppb. Other VOCs not detected at detection limits of 0.5 to 4.0 pb.
- ⁹ Chloroform detected, concentration not stated. Other VOCs not detected at detection limits of 25 to 500 ppb.
- ¹⁰ Well not accessible due to down hole equipment.
- ¹¹ Well sampled semi-annually.
- ¹² GWE corrected for the presence of free-phase hydrocarbons using the formula $GWE = [(TOC - DTW) + (0.8)(\text{Product Thickness})]$. 0.8 is the assumed specific gravity of free-phase hydrocarbons.
- ¹³ The TPH as Gasoline value was 99,000 ug/L when MTBE is not included in the calculation.
- ¹⁴ The TPH as Gasoline value was 125,000 ug/L when MTBE is not included in the calculation.
- ¹⁵ Laboratory report indicates results were taken from both a low level and a diluted analysis.
- ¹⁶ MTBE by EPA Method 8260.

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
	11/25/97	0.00	0.00
	2/25/98	0.00	0.00
	5/21/98	0.00	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 MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: F. Cline

Well ID: MW-4 Well Condition: okay

Well Diameter: 4" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth: 21.5 ft.

Depth to Water: 11.99 ft.

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

9.51 X VF 0.66 = 6.3 X 3 (case volume) = Estimated Purge Volume: 18.18 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 12:14 Weather Conditions: clearing Breezy

Sampling Time: 12:29 Water Color: clear Odor: None

Purging Flow Rate: 1.6 gpm. Sediment Description: N/A

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:18</u>	<u>6.4</u>	<u>7.70</u>	<u>880</u>	<u>19.8</u>			
<u>12:22</u>	<u>12.8</u>	<u>7.83</u>	<u>1010</u>	<u>19.8</u>			
<u>12:26</u>	<u>19.2</u>	<u>7.78</u>	<u>1065</u>	<u>19.8</u>			
<u>12:29</u>	<u>20.0</u>	<u>7.77</u>	<u>1008</u>	<u>20.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x 40m/VOA	Y	HCL	NEWTLS EQUOL 4	TPH-Gas/BTEX/MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job #: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW- 5

Well Condition: okay

Well Diameter 4" in.

Hydrocarbon ✓ Amount Bailed 0

Total Depth 18.6 ft.

Thickness: _____ in. (product/water): _____ (gal.)

Depth to Water 11.60 ft.

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

7.0 X VF 0.66 4.63 X 3 (case volume) = Estimated Purge Volume: 1386 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 12:03

Weather Conditions: clearing

Sampling Time: 12:11

Water Color: clear Odor: Mild

Purging Flow Rate: 1.5 gpm.

Sediment Description: clear None

Did well de-water? _____

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:03</u>	<u>45</u>	<u>7.44</u>	<u>999</u>	<u>19.5</u>			
<u>12:06</u>	<u>9.0</u>	<u>7.46</u>	<u>980</u>	<u>19.6</u>			
<u>12:09</u>	<u>13.5</u>	<u>7.39</u>	<u>1000</u>	<u>19.7</u>			
<u>12:11</u>	<u>14.0</u>	<u>7.39</u>	<u>998</u>	<u>19.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW- 5</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEHGTEL SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 10 5 1998

City: Hayward, CA

Sampler: E. Cline

Well ID MW- 6

Well Condition: okay

Well Diameter 4" in.

Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): _____ (gal.)

Total Depth _____ ft.

Depth to Water 11.67 ft.

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

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____

Weather Conditions: _____

Sampling Time: _____

Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? _____

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VQA	Y	HCL	NEH/TEL SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS: Water Level only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E.Cline

Well ID MW- 7

Well Condition: okay

Well Diameter 8 1/2 in.

Hydrocarbon ✓ Amount Bailed ✓

Total Depth 181 ft.

Thickness: _____ in. (product/water): _____ (gal.)

Depth to Water 11.93 ft.

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

6.07 X VF 0.66 = 4.0 X 3 (case volume) = Estimated Purge Volume: 12 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 11:23

Weather Conditions: clear m.s. warming

Sampling Time: 11:35

Water Color: clear Odor: naid

Purging Flow Rate: 1.3 gpm.

Sediment Description: Na

Did well de-water? _____

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1126</u>	<u>3.9</u>	<u>7.80</u>	<u>1120</u>	<u>20.5</u>			
<u>1129</u>	<u>7.8</u>	<u>7.81</u>	<u>1125</u>	<u>20.6</u>			
<u>1132</u>	<u>11.4</u>	<u>7.89</u>	<u>1130</u>	<u>20.7</u>			
<u>1135</u>	<u>12.0</u>	<u>7.80</u>	<u>1128</u>	<u>20.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW- 7</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>HEWLETT SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW- 8

Well Condition: clay

Well Diameter 4" in.

Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 18.4 ft

Depth to Water 9.41 ft

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

8199 x VF 0.66 = 54 X 3 (case volume) = Estimated Purge Volume: 178 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 10:54

Weather Conditions: clearing Breeze

Sampling Time: 11:05

Water Color: clear Odor: Mild

Purging Flow Rate: 2 gpm

Sediment Description: None

Did well de-water? NA

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>10:57</u>	<u>6</u>	<u>7.76</u>	<u>993</u>	<u>20.5</u>			
<u>11:00</u>	<u>12</u>	<u>7.83</u>	<u>999</u>	<u>20.6</u>			
<u>11:03</u>	<u>18</u>	<u>7.80</u>	<u>990</u>	<u>20.6</u>			
<u>11:05</u>	<u>19</u>	<u>7.79</u>	<u>961</u>	<u>20.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>8</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEWTLS EQUICIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E.Cline

Well ID MW- 9

Well Condition: okay

Well Diameter _____ in.

Hydrocarbon Thickness: ✓ Amount Bailed (product/water): ✓ (gal.)

Total Depth _____ ft.

Depth to Water 10.14 ft.

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

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____

Weather Conditions: _____

Sampling Time: _____

Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? _____

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	NEWTEL SEQUOIA	TPH-Gas/BTEX/MTBE
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: Water level only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 5-21-98
Sampler: E. Cline

Well ID MW- 10
Well Diameter 4" in.
Total Depth 27.6 ft.
Depth to Water 6.14 ft.

Well Condition: dry
Hydrocarbon Thickness: 0 in.
Amount Bailed (product/water): 0 (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

21.46 X VF 0.66 = 14.2 X 3 (case volume) = Estimated Purge Volume: 42 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 9:00
Sampling Time: 9:23
Purging Flow Rate: 2 gpm.
Did well de-water? _____

Weather Conditions: cloudy Breezy
Water Color: clear Odor: None
Sediment Description: None
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>9:07</u>	<u>14</u>	<u>8.53</u>	<u>777</u>	<u>20.1</u>			
<u>9:14</u>	<u>28</u>	<u>8.55</u>	<u>793</u>	<u>20.3</u>			
<u>9:21</u>	<u>42</u>	<u>8.45</u>	<u>795</u>	<u>20.1</u>			
<u>9:23</u>	<u>43</u>	<u>8.48</u>	<u>798</u>	<u>20.3</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW- 10</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEH/STEL SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW-11

Well Condition: dry

Well Diameter 4" in.

Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): _____ (gal.)

Total Depth _____ ft.

Depth to Water 11.17 ft.

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

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____

Weather Conditions: _____

Sampling Time: _____

Water Color: _____ Odor: _____

Purging Flow Rate: _____ gpm.

Sediment Description: _____

Did well de-water? _____

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
_____	_____	<u>w/c</u>	<u>only</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	NE/CTEL SEQUOIA	TPH-Gas/BTEX/MTBE
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: Water level only

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job #: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: F. Cline

Well ID MW- 12

Well Condition: OK

Well Diameter 4" in.

Hydrocarbon ✓ Amount Bailed ○
Thickness: _____ in. (product/water): _____ (gal.)

Total Depth 19 ft.

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

Depth to Water 11.18 ft.

7.82 X VF 0.66 = 5.16 X 3 (case volume) = Estimated Purge Volume: 15.5 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 11:38
Sampling Time: 11:50
Purging Flow Rate: 2.6 gpm.
Did well de-water? MC

Weather Conditions: clear
Water Color: clear Odor: Mild
Sediment Description: MC
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>11:41</u>	<u>5.2</u>	<u>7.44</u>	<u>898</u>	<u>18.7</u>			
<u>11:44</u>	<u>10.4</u>	<u>7.51</u>	<u>900</u>	<u>18.7</u>			
<u>11:47</u>	<u>15.6</u>	<u>7.55</u>	<u>910</u>	<u>18.7</u>			
<u>11:50</u>	<u>16.0</u>	<u>7.54</u>	<u>908</u>	<u>18.7</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW- 12</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>HEWLETT SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 5-21-98
Sampler: E. Cline

Well ID MW-13
Well Diameter _____ in.
Total Depth _____ ft.
Depth to Water 9.35 ft.

Well Condition: okay
Hydrocarbon Thickness: _____ in. Amount Bailed (product/water): _____ (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

_____ X VF _____ = _____ X 3 (case volume) = Estimated Purge Volume: _____ (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: _____
Sampling Time: _____
Purging Flow Rate: _____ gpm.
Did well de-water? _____

Weather Conditions: _____
Water Color: _____ Odor: _____
Sediment Description: _____
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	NEUGTEL SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS: WATER LEVEL ONLY

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 5-21-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW-14

Well Condition: dry

Well Diameter 2" in.

Hydrocarbon Thickness: 0 in.

Amount Bailed 5 (gal.)

Total Depth 31 ft.

Depth to Water 17.78 ft.

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

13.22 X VF 0.17 = 2.2 X 3 (case volume) = Estimated Purge Volume: 6.7 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1027

Weather Conditions: cloudy Breezy

Sampling Time: 1035

Water Color: _____ Odor: _____

Purging Flow Rate: 1.1 gpm.

Sediment Description: _____

Did well de-water? No

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1029</u>	<u>2.2</u>	<u>7.30</u>	<u>810</u>	<u>19.6</u>			
<u>1031</u>	<u>4.4</u>	<u>7.14</u>	<u>1040</u>	<u>19.6</u>			
<u>1033</u>	<u>6.6</u>	<u>7.18</u>	<u>1048</u>	<u>19.6</u>			
<u>1035</u>	<u>7.0</u>	<u>7.15</u>	<u>1040</u>	<u>19.7</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-14</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEW/STL SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 5-21-96
Sampler: E.Cline

Well ID MW-15
Well Diameter 2" in.
Total Depth 221 ft.
Depth to Water 12.97 ft.

Well Condition: okay
Hydrocarbon Thickness: 5 in. Amount Bailed (product/water): e (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

9.03 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 9:45
Sampling Time: 9:50
Purging Flow Rate: 1.5 gpm.
Did well de-water? No

Weather Conditions: cloudy Breezy
Water Color: clear Odor: None
Sediment Description: None
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>9:46</u>	<u>1.5</u>	<u>7.78</u>	<u>828</u>	<u>18.5</u>			
<u>9:47</u>	<u>3.0</u>	<u>7.68</u>	<u>800</u>	<u>18.4</u>			
<u>9:48</u>	<u>4.5</u>	<u>7.50</u>	<u>895</u>	<u>18.4</u>			
<u>9:50</u>	<u>5.0</u>	<u>7.55</u>	<u>896</u>	<u>18.4</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NE/CITEL SEQUOIA</u>	<u>TPH-Gas/BTEX/MTBE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 5-21-98
Sampler: E.Cline

Well ID MW-16
Well Diameter 2" in.
Total Depth 38' ft.
Depth to Water 17.9' ft.

Well Condition: okay
Hydrocarbon ✓
Thickness: in. Amount Bailed ✓
(product/water): (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

20109 X VF 0.17 = 3.4 X 3 (case volume) = Estimated Purge Volume: 10.2 (gal.)

Purge Equipment: Disposable Bailer
Stack
Suction
Grundfos
Other:

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other:

Starting Time: 9:51
Sampling Time: 1058
Purging Flow Rate: 1.2 gpm.
Did well de-water?

Weather Conditions: cloudy cool
Water Color: clear Odor: none
Sediment Description: None
If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1000	3.6	7.18	780	18.14			
1003	7.2	7.16	720	18.14			
1006	10.8	7.20	781	18.13			
1008	11.5	7.18	799	18.14			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	3 x 40m/VOA	Y	HCL	NEWTEL SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 5-21-98
Sampler: E.Cline

Well ID MW-17
Well Diameter 2" in.
Total Depth 33.6 ft.
Depth to Water 10.61 ft.

Well Condition: clay
Hydrocarbon Thickness: e in.
Amount Bailed (product/water): e (gal.)
Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66
6" = 1.50 12" = 5.80

22.99 X VF 0.17 = 3.9 X 3 (case volume) = Estimated Purge Volume: 11.7 (gal.)

Purge Equipment:

Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment:

Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 8:46
Sampling Time: 8:55
Purging Flow Rate: 1.2 gpm.
Did well de-water? Nil

Weather Conditions: cloudy Breeze
Water Color: clear Odor: None
Sediment Description: Nil
If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:49	3.8	8.03	645	18.6			
8:52	7.8	8.29	748	19.6			
8:55	11.7	8.30	751	19.4			
8:57	12.0	8.27	750	19.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 17	3 x 40m/VOA	Y	HCL	NEWTSL SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 8-21-98

City: Hayward, CA

Sampler: F. Cline

Well ID MW-18

Well Condition: okay

Well Diameter 2" in.

Hydrocarbon Thickness: 0 in. Amount Bailed 0 (gal.)

Total Depth 25' ft.

Depth to Water 15.24 ft.

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

9.76 X VF 0.17 = 1.66 X 3 (case volume) = Estimated Purge Volume: 4.9 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment: Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 5:30

Weather Conditions: Partly Cloudy (ca)

Sampling Time: _____

Water Color: _____ Odor: _____

Purging Flow Rate: 1 gpm.

Sediment Description: _____

Did well de-water? NK

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity μ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1042</u>	<u>2</u>	<u>7.30</u>	<u>820</u>	<u>19.8</u>			
<u>1044</u>	<u>4</u>	<u>7.34</u>	<u>840</u>	<u>20.1</u>			
<u>1046</u>	<u>6</u>	<u>7.36</u>	<u>838</u>	<u>20.0</u>			
<u>1048</u>	<u>7</u>	<u>7.33</u>	<u>839</u>	<u>20.0</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	NEWTSL SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS: _____

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

CHAIN-OF-CUSTODY-RECORD

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>#9-0260</u>	Chevron Contact (Name) <u>Mr. Phil Briggs</u>
	Facility Address <u>21995 Foothill Blvd., Hayward, CA</u>	(Phone) <u>(510) 842-9135</u>
	Consultant Project Number <u>5110.80</u>	Laboratory Name <u>NEI/OTEL SEQUOIA</u> Service Code: <u>ZZ02790</u>
	Consultant Name <u>Gettler-Ryan</u>	Laboratory Service Order # <u>9033189</u> # <u>9044646</u>
	Address <u>6747 Sierra Ct, Ste J, Dublin 94568</u>	Samples Collected by (Name) <u>F. Cline</u>
	Project Contact (Name) <u>Deanna Harding</u>	Collection Date <u>5-21-98</u>
	(Phone) <u>551-7555</u> (Fax Number) <u>551-7888</u>	Signature <u>[Signature]</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed												DO NOT BILL TB-LB ANALYSIS	Remarks
								TPH Gas + 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)						
73-03		2	W	73		HC	Y	X													*Confirm
MW-7		3		6	953			X													highest hit
MW-10					923			X													of 8000
MW-14					100			X													made by
MW-15					93			X													8260.1
MW-16					1108			X													OTA
MW-18					1018			X													
MW-7					1130			X													
MW-12					1152			X													
MW-8					1108			X													
MW-5					1211			X													
MW-4					1209			X													

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>5/22/98</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc.</u>	Date/Time <u>5/22/98 9:50</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days 10 Days <u>No Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>5/22/98</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>5/22/12:27</u>	



**Sequoia
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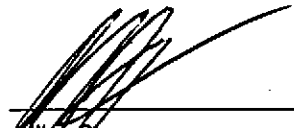
Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: TB-LB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805E76-01	Sampled: 05/21/98 Received: 05/22/98 Analyzed: 05/26/98 Reported: 07/01/98
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Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

Page:

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-12

Sampled: 05/21/98
Received: 05/22/98
Analyzed: 05/26/98
Reported: 06/08/98

Attention: Deanna Harding

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	100000
Methyl t-Butyl Ether	500	3100
Benzene	500	11000
Toluene	500	8600
Ethyl Benzene	500	720
Xylenes (Total)	500	4200
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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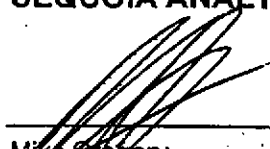
Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568 Attention: Deanna Harding	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805E76-11	Sampled: 05/21/98 Received: 05/22/98 Analyzed: 05/26/98 Reported: 06/08/98
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Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	25000	220000
Methyl t-Butyl Ether	250	8500
Benzene	250	20000
Toluene	250	26000
Ethyl Benzene	250	2000
Xylenes (Total)	250	10000
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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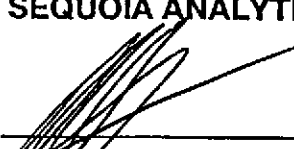
Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: MW-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805E76-08	Sampled: 05/21/98 Received: 05/22/98 Analyzed: 05/26/98 Reported: 06/08/98
Attention: Deanna Harding		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	150000
Methyl t-Butyl Ether	50	21000
Benzene	50	7100
Toluene	50	15000
Ethyl Benzene	50	1700
Xylenes (Total)	50	9600
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: MW-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805E76-10	Sampled: 05/21/98 Received: 05/22/98 Analyzed: 05/26/98 Reported: 06/08/98
Attention: Deanna Harding		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	110000
Methyl t-Butyl Ether	100	660
Benzene	100	2800
Toluene	100	11000
Ethyl Benzene	100	1200
Xylenes (Total)	100	9800
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager





**Sequoia
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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-03

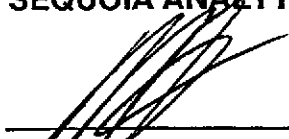
Sampled: 05/21/98
Received: 05/22/98
Analyzed: 05/26/98
Reported: 07/01/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

Page:

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**Sequoia
Analytical**

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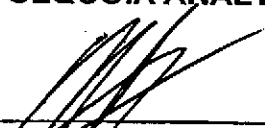
Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: MW-12 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805E76-09	Sampled: 05/21/98 Received: 05/22/98 Analyzed: 05/26/98 Reported: 06/08/98
Attention: Deanna Harding		

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	25000	150000
Methyl t-Butyl Ether	2500	66000
Benzene	250	14000
Toluene	250	16000
Ethyl Benzene	250	1800
Xylenes (Total)	8500	250
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	97

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager





Sequoia
Analytical

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-12
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9805E76-09

Sampled: 05/21/98
Received: 05/22/98
Analyzed: 06/04/98
Reported: 06/08/98

Attention: Deanna Harding

QC Batch Number: MS060498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	1430	69000
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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**Sequoia
Analytical**

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-14
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-04

Sampled: 05/21/98
Received: 05/22/98

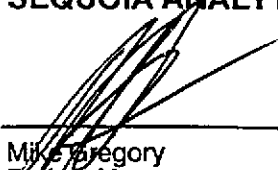
Analyzed: 05/26/98
Reported: 06/08/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	8300
Methyl t-Butyl Ether	50	N.D.
Benzene	10	1400
Toluene	10	48
Ethyl Benzene	10	29
Xylenes (Total)	10	59
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	110

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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**Sequoia
Analytical**

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FAX (707) 792-0342

Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-15
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-05

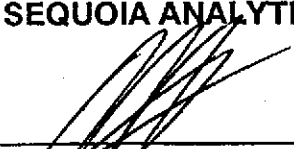
Sampled: 05/21/98
Received: 05/22/98
Analyzed: 05/26/98
Reported: 07/01/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	430
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	25
Toluene	0.50	N.D.
Ethyl Benzene	0.50	2.3
Xylenes (Total)	0.50	1.2
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-16
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-06

Sampled: 05/21/98
Received: 05/22/98
Analyzed: 05/26/98
Reported: 06/08/98

Attention: Deanna Harding

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	71000
Methyl t-Butyl Ether	50	560
Benzene	50	5100
Toluene	50	1200
Ethyl Benzene	50	2300
Xylenes (Total)	50	8200
Chromatogram Pattern:		GAS

Surrogates
Trifluorotoluene

Control Limits %
70 130

% Recovery
77

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568

Attention: Deanna Harding

Client Proj. ID: Chevron 9-0260, Hayward

Sample Descript: MW-17

Matrix: LIQUID

Analysis Method: 8015Mod/8020

Lab Number: 9805E76-02

Sampled: 05/21/98

Received: 05/22/98

Analyzed: 05/26/98

Reported: 07/01/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	93

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
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Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-18
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805E76-07

Sampled: 05/21/98
Received: 05/22/98
Analyzed: 05/26/98
Reported: 06/08/98

Attention: Deanna Harding

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	70000
Methyl t-Butyl Ether	50	880
Benzene	50	4700
Toluene	50	1800
Ethyl Benzene	50	1700
Xylenes (Total)	50	9600
Chromatogram Pattern:		GAS

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849


Mike Gregory
Project Manager

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Gettler Ryan/Geostrategies
6747 Sierra Court Suite J
Dublin, CA 94568
Attention: Deanna Harding

Client Proj. ID: Chevron 9-0260, Hayward

Received: 05/22/98

Lab Proj. ID: 9805E76

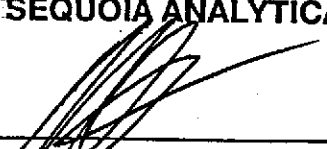
Reported: 06/08/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 17 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGBMW: Sample 9805E76-04 was diluted 20-fold.
 Sample 9805E76-06 was diluted 100-fold.
 Sample 9805E76-07 was diluted 100-fold.
 Sample 9805E76-08 was diluted 100-fold.
 Sample 9805E76-09 was diluted 500-fold.
 Sample 9805E76-10 was diluted 200-fold.
 Sample 9805E76-11 was diluted 500-fold.
 Sample 9805E76-12 was diluted 100-fold.

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager





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Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-0260, Hayward
Matrix: Liquid

Work Order #: 9805E76 -09

Reported: Jun 8, 1998

QUALITY CONTROL DATA REPORT

Analyte: MTBE

QC Batch#: MS060498MTBEF2A
Analy. Method: EPA 8260
Prep. Method: N.A.

Analyst: L. Zhu
MS/MSD #: 9805B1602
Sample Conc.: 26
Prepared Date: 6/4/98
Analyzed Date: 6/4/98
Instrument I.D.#: F2
Conc. Spiked: 50 µg/L

Result: 81
MS % Recovery: 110

Dup. Result: 74
MSD % Recov.: 96

RPD: 9.0
RPD Limit: 0-25

LCS #: LCS060498

Prepared Date: 6/4/98
Analyzed Date: 6/4/98
Instrument I.D.#: F2
Conc. Spiked: 50 µg/L

LCS Result: 46
LCS % Recov.: 92

MS/MSD 60-140
LCS 70-130
Control Limits

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Deanna Harding

Client Project ID: Chevron 9-0260, Hayward
Matrix: Liquid

Work Order #: 9805E76-01-12

Reported: Jun 8, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	05V8164	05V8164	05V8164	05V8164
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	N.A.	N.A.	N.A.	N.A.
Analyst:	L. Hall	L. Hall	L. Hall	L. Hall
LCS/LCSD #:	LCS052698	LCS052698	LCS052698	LCS052698
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/26/98	5/26/98	5/26/98	5/26/98
Analyzed Date:	5/26/98	5/26/98	5/26/98	5/26/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	20	20	16	20
LCS % Recovery:	100	100	80	100
Dup. Result:	20	20	18	20
LCSD % Recov.:	100	100	90	100
RPD:	0.0	0.0	12	0.0
RPD Limit:	0-30	0-30	0-30	0-30

MS/MSD				
LCS	80-120	80-120	80-120	80-120
Control Limits				

SEQUOIA ANALYTICAL
Elap #1849

Mike Gregory
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9805E76.GET <2>

