



GETTLER-RYAN Inc.

September 23, 1998

Job #5110.80

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

Re: Third 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 August 19, 1998, field personnel were on-site to monitor fifteen wells (MW-4 through MW-18) and sample nine wells (MW-6, MW-9, MW-10, and MW-13 through MW-18) at the above mentioned site. One well (MW-11) had insufficient water for sampling.

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.

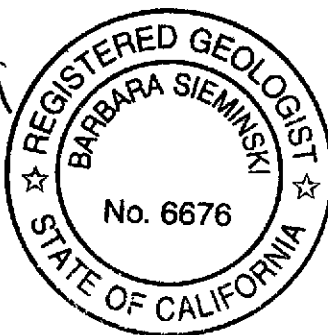
Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Deanna L. Harding
Deanna L. Harding
Project Coordinator

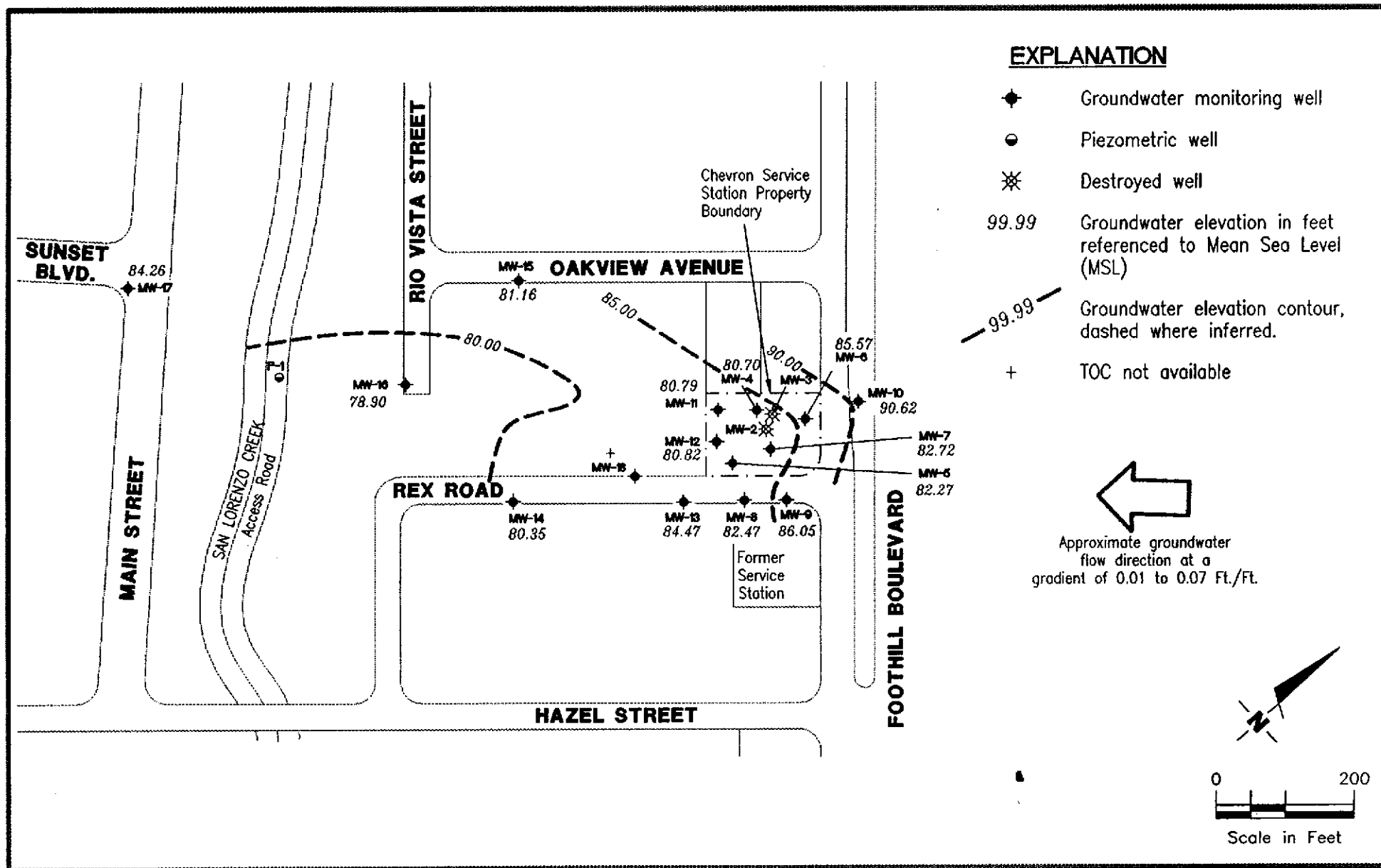
Barbara Sieminski

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
August 19, 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-4 100.75	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 ^{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	---	---	---	---	---	---	---
	12/3/92	16.17	84.58	---	1,300,000	17,000	41,000	12,000	90,000	---
100.73	3/25/93	10.50	90.23	---	---	---	---	---	---	---
	10/4/94	12.84	87.89	0	---	---	---	---	---	---
	11/14/94 ¹⁰	---	---	---	---	---	---	---	---	---
	5/15/95	11.37	89.36	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	12.30	88.43	0	---	---	---	---	---	---
	11/28/95	14.65	86.08	0	97,000	23,000	18,000	1,400	8,800	430
	2/20/96 ¹¹	7.90	92.83	0	---	---	---	---	---	---
	5/29/96	11.00	89.73	0	59,000	11,000	11,000	740	4,400	<500
	8/27/96	13.24	87.49	0	---	---	---	---	---	---
	11/22/96	11.50	89.23	0	130,000	20,000	14,000	1,200	7,000	21,000
	2/18/97	9.47	91.26	0	---	---	---	---	---	---
	5/23/97	12.63	88.10	0	120,000 ¹³	23,000	21,000	1,400	8,400	50,000
	8/4/97	13.22	87.51	0	120,000	25,000	22,000	1,600	8,000	15,000
	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
	8/19/98	20.03	80.70	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 ^{1,2}	13.25	86.72	0	470,000	39,000	32,000	<5,000	16,000	---
	9/27/88 ^{1,3}	---	---	---	48,000	1,800	3,500	1,600	10,000	---

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)	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	---
	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*	---	---	---	---	---	---
	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
	8/19/98	17.70	82.27	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) <-----ppb----->	B	T	E	X	MTBE
MW-6	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	---
101.43	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	---
	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	---	---	---	---	---	---
	8/19/98	15.86	85.57	0	37,000	390	220	160	3,600	1,600/1,000 ¹⁶

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	2/5/88	---	---	---	81,000	34,000	36,000	2,400	16,000	---
	6/15/88	12.57	88.34	---	77,000	40,000	41,000	1,400	24,000	---
100.91	9/27/88 ^{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	---
	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
	8/19/98	18.19	82.72	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-8	10/27/88	---	---	---	190,000	27,000	43,000	2,200	15,000	---
	1/5/89	12.02	87.65	---	87,000	24,000	39,000	3,000	15,000	---
99.67	4/6/89	11.78	87.89	---	---	---	---	---	---	---
	6/28/89	13.40	86.27	---	120,000	22,000	35,000	2,900	16,000	---
	10/3/89	13.84	85.92	0.11	---	---	---	---	---	---
	1/4/90	13.99	85.76	0.10	---	---	---	---	---	---
	4/3/90	13.07	86.84	0.30	---	---	---	---	---	---
	7/3/90	13.11	86.59	0.04	---	---	---	---	---	---
	11/6/90	14.77	85.02	0.15	---	---	---	---	---	---
	1/4/91	14.59	85.22	0.18	---	---	---	---	---	---
	4/3/91	11.53	88.18	0.05	---	---	---	---	---	---
	7/2/91	13.71	86.34	0.48	---	---	---	---	---	---
	10/2/91	14.84	85.05	0.27	---	---	---	---	---	---
	1/2/92	15.05	84.86	0.30	---	---	---	---	---	---
	4/7/92	12.17	87.73	0.29	---	---	---	---	---	---
	8/13/92	14.96	84.96	0.31	---	---	---	---	---	---
	12/3/92	15.85	84.44	0.78	---	---	---	---	---	---
	3/25/93	10.78	88.89	---	---	---	---	---	---	---
	6/23/93	12.27	87.60	0.25	---	---	---	---	---	---
	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
	8/19/98	17.20	82.47	0	---	---	---	---	---	---

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

California (continued)										
Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
<-----ppb----->										
MW-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
	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	---	---	---	---	---	---
	8/19/98	15.10	86.05	0	42,000	<50	330	890	4,200	<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-10	10/27/88 ¹	---	---	---	< 500	26	13	<5	<5	---
	1/5/89	12.64	89.72	0	<1,000	<0.3	<0.3	<0.3	<0.3	---
102.36	4/6/89	11.38	90.98	---	---	---	---	---	---	---
	6/28/89	13.64	88.72	0	< 500	<0.5	<0.5	<0.5	<0.5	---
	10/3/89	13.85	88.51	0	< 500	<0.5	<0.5	<0.5	<0.5	---
	1/4/90	13.75	88.61	0	<50	0.5	1.1	<0.5	1.7	---
	4/3/90	12.86	89.50	0	<50	<0.5	<0.5	<0.5	<0.5	---
	7/3/90	13.43	88.93	---	---	---	---	---	---	---
	11/6/90	14.82	87.54	---	---	---	---	---	---	---
	1/4/91	13.98	88.38	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/3/91	9.79	92.57	---	---	---	---	---	---	---
	7/2/91	12.28	90.08	---	---	---	---	---	---	---
	10/2/91	14.53	87.83	---	---	---	---	---	---	---
	1/2/92	13.60	88.76	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/7/92	11.83	90.53	---	---	---	---	---	---	---
	8/13/92	13.95	88.41	---	---	---	---	---	---	---
	12/3/92	13.96	88.40	---	---	---	---	---	---	---
	3/25/93	8.45	93.91	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	11.60	91.03	0	---	---	---	---	---	---
	9/21/93	13.32	89.31	0	---	---	---	---	---	---
	12/2/93	13.27	89.36	0	---	---	---	---	---	---
	3/8/94	10.85	91.51	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	---	---	---	---	---	---	---	---	---
	10/4/94	13.90	88.46	0	---	---	---	---	---	---
	11/14/94	11.80	90.56	0	<50	<0.5	<0.5	<0.5	<0.5	---
	5/15/95	8.98	93.38	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	10.44	91.92	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	13.55	88.81	0	<50	1.6	0.81	<0.5	<0.5	<0.60
	2/20/96	8.52	93.84	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	9.20	93.16	0	<50	<0.5	<0.5	<0.5	0.9	<5.0
	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
	8/19/98	11.74	90.62	0	<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)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-11	6/28/89	14.33	85.64	0	60,000	36,000	13,000	2,500	12,000	---
	10/3/89	14.61	85.36	0	14,000	4,200	1,400	240	1,300	---
	1/4/90	14.55	85.42	0	82,000	33,000	11,000	2,000	10,000	---
	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	---	---	---	---	---	---	---
99.57	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
99.64	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	---	---	---	---	---	---
	8/19/98	18.78	80.79	0	---	---	---	---	---	---
	6/28/89	14.10	85.54	0	55,000	30,000	21,000	2,900	19,000	---
	10/3/89	14.30	85.34	0	170,000	30,000	23,000	2,700	15,000	---
	1/4/90	14.35	85.29	0	110,000	24,000	19,000	2,300	12,000	---
	4/3/90	13.59	86.05	0	89,000	41,000	28,000	3,300	17,000	---
	7/3/90	13.77	85.87	0	170,000	27,000	20,000	2,200	12,000	---
	11/6/90	15.19	84.45	0.06	110,000	28,000	21,000	2,400	14,000	---
	1/4/91	14.52	---	---	---	---	---	---	---	---
	6/28/89	14.10	85.54	0	55,000	30,000	21,000	2,900	19,000	---
	10/3/89	14.30	85.34	0	170,000	30,000	23,000	2,700	15,000	---
	1/4/90	14.35	85.29	0	110,000	24,000	19,000	2,300	12,000	---
	4/3/90	13.59	86.05	0	89,000	41,000	28,000	3,300	17,000	---
	7/3/90	13.77	85.87	0	170,000	27,000	20,000	2,200	12,000	---
	11/6/90	15.19	84.45	0.06	110,000	28,000	21,000	2,400	14,000	---
	1/4/91	14.52	---	---	---	---	---	---	---	---

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)	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	---	---	---	---	---	---
	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
	8/19/98	18.40	80.82	0	---	---	---	---	---	---
MW-13	6/28/89	13.22	85.25	0	54,000	12,000	10,000	1,900	15,000	---
	10/3/89	13.54	84.93	0	120,000	10,000	10,000	2,300	15,000	---
98.47	1/4/90	13.64	84.83	0	87,000	6,800	10,000	2,000	12,000	---
	4/3/90	12.95	85.52	0	53,000	12,000	14,000	2,900	17,000	---
	7/3/90	13.05	85.42	0	90,000	8,400	11,000	2,000	11,000	---
	11/6/90	14.12	84.35	---	---	---	---	---	---	---
	1/4/91	14.05	84.42	0	72,000	5,500	12,000	2,300	12,000	---
	4/3/91	11.41	87.06	---	---	---	---	---	---	---
	7/2/91	13.17	85.30	0	120,000	12,000	13,000	2,500	14,000	---
	10/2/91	14.24	84.23	---	---	---	---	---	---	---
	1/2/92	14.13	84.34	0.03	---	---	---	---	---	---
	4/7/92	13.06	85.41	---	---	---	---	---	---	---

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)	8/13/92	14.26	84.21	0	84,000	7,400	11,000	2,600	13,000	---
	12/3/92	14.82	83.65	---	---	---	---	---	---	---
	3/25/93	10.73	87.74	0	97,000	5,200	2,500	7,200	12,000	---
	6/23/93	11.97	86.50	0	---	---	---	---	---	---
	9/21/93	13.08	85.39	0	80,000	7,600	9,000	2,900	14,000	---
	12/2/93	13.45	85.02	0	---	---	---	---	---	---
	3/8/94	11.75	86.72	0	78,000	5,300	7,600	2,600	10,000	---
	6/13/94	12.30	86.17	0	---	---	---	---	---	---
	10/4/94	14.18	84.29	0	39,000	2,300	2,700	850	4,600	---
	11/14/94	12.62	85.85	0	---	---	---	---	---	---
	5/15/95	9.93	88.54	---	---	---	---	---	---	---
	8/4/95	11.08	87.39	0	47,000	7,700	10,000	2,900	10,000	---
	11/28/95 ¹¹	12.95	85.52	0	---	---	---	---	---	---
	2/20/96	9.86	88.61	0	59,000	5,500	5,500	2,900	8,800	<120
	5/29/96 ¹¹	10.30	88.17	0	---	---	---	---	---	---
	8/27/96	11.97	86.50	0	65,000	3,500	2,800	2,200	6,900	200
	11/22/96	11.71	86.76	0	---	---	---	---	---	---
	2/18/97	9.16	89.31	0	69,000	4,500	4,100	2,500	7,900	310
	5/23/97	11.56	86.91	0	---	---	---	---	---	---
	8/4/97	12.15	86.32	0	61,000	5,700	5,100	3,600	9,200	230
	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	---	---	---	---	---	---
	8/19/98	14.00	84.47	0	57,000	1,600	440	1,900	4,500	<250
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	---

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
MW-14 (cont)	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
	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
	8/19/98	19.33	80.35	0	7,900	610	390	51	300	<250
MW-15 96.06	8/29/90 ⁹	16.58	79.48	0	2,000	26	2	72	110	---
	11/6/90	17.43	78.63	0	1,300	40	5	45	63	---
	1/4/91	16.37	79.69	0	1,700	46	2.8	58	86	---
	4/3/91	12.46	83.60	0	2,100	74	0.8	44	85	---
	7/2/91	16.53	79.53	0	1,700	39	<0.5	35	46	---
	10/2/91	17.33	78.73	0	1,100	50	<0.5	40	33	---
	1/2/92	16.46	79.60	0	1,300	51	<0.5	30	30	---
	4/7/92	14.70	81.36	0	2,600	98	<5	64	36	---
	8/13/92	16.72	79.34	0	510	55	<0.5	35	2.8	---
	12/3/92	17.43	78.63	0	1,000	64	0.9	22	4.4	---
	3/25/93	13.33	82.73	0	1,300	86	52	0.7	7.7	---
	6/23/93	15.23	80.83	0	7,300	34	<0.5	85	160	---
	9/21/93	16.32	79.74	0	1,500	39	<0.5	32	33	---
	12/2/93	16.57	79.49	0	990	28	4	8	10	---
	3/8/94	14.61	81.45	0	3,400	44	4.0	28	53	---
	10/4/94	16.48	79.58	0	310	11	10	2.2	12	---
	11/14/94	14.20	81.86	0	450	27	2.4	2.2	4.2	---
	5/15/95	13.38	82.68	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	14.91	81.15	0	<50	0.6	<0.5	<0.5	0.8	---
	11/28/95	16.12	79.94	0	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	10.98	85.08	0	1,600	25	0.5	20	38	16
	5/29/96 ¹³	---	---	---	---	---	---	---	---	---
	8/27/96	15.44	80.62	0	80	<0.5	<0.5	<0.5	0.7	<5.0
	11/22/96	14.49	81.57	0	1,500	14	<0.5	6.1	12	7.2

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-15 (cont)	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
	8/19/98	14.90	81.16	0	<50	<0.50	<0.50	<0.50	<0.50	<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	---
	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
	8/19/98	19.25	78.90	0	40,000	2,300	740	1,700	2,700	<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) <-----	B	T	E	X	MTBE ----->
					ppb					
MW-17	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	---
106.00	3/25/93	22.14	83.86	0	<50	<0.5	<0.5	<0.5	<1.5	---
	6/23/93	23.02	82.98	0	<50	<0.5	<0.5	<0.5	1	---
	9/21/93	23.09	82.91	0	<50	<0.5	<0.5	<0.5	<0.8	---
	12/2/93	23.37	82.63	0	---	---	---	---	---	---
	3/8/94	22.83	83.17	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/13/94	22.62	83.38	0	<50	1.2	1.1	<0.5	0.9	---
	10/4/94	23.00	83.00	0	62	8.0	2.9	0.7	3.1	---
	11/14/94	23.03	82.97	0	550	22	120	8.9	84	---
	5/15/95	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/4/95	22.37	83.63	0	<50	<0.5	<0.5	<0.5	<0.5	---
	11/28/95	22.97	83.03	0	<50	<0.5	<0.5	<0.5	<0.5	<0.60
	2/20/96	21.78	84.22	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/29/96	21.72	84.28	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	22.43	83.57	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/22/96	22.82	83.18	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/18/97	21.31	84.69	0	140	34	11	1.6	7.7	71
	5/23/97	22.25	83.75	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	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
	8/19/98	21.74	84.26	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
	8/19/98	16.34	---	0	93,000	4,900	1,700	2,100	9,000	<250
P-1	8/13/92	10.02	76.41	0	---	---	---	---	---	---
	12/3/92	10.80	75.63	0	---	---	---	---	---	---
86.43	3/25/93	8.95	77.48	0	---	---	---	---	---	---
Rinseate	1/5/89	---	---	---	<1,000	<0.3	<0.3	<0.3	<0.3	---
	3/8/94	---	---	---	<50	1	1.4	<0.5	1.5	---

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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G) <-----ppb----->	B	T	E	X	MTBE
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	---
	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
	8/19/98	---	---	---	<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
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 8-19-98
Sampler: F.Cline

Well ID MW-4
Well Diameter 4" in.
Total Depth _____ ft.
Depth to Water 20.03 ft.

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

Volume Factor (VF)	2"	3"	12"	= 0.17	= 1.50	= 0.38
--------------------	----	----	-----	--------	--------	--------

_____ 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	pH	Conductivity	Temperature	D.O.	ORP	Alkalinity
			µmhos/cm				

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	Sequoia Analytical	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: 8-19-98
 Sampler: F.Cline

Well ID MW-5
 Well Diameter 4" in.
 Total Depth _____ ft.
 Depth to Water 17.70 ft.

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

Volume Factor (VF)	2"	3"	6"	12"	<u>40.17</u>	<u>= 0.38</u>
						<u>= 1.50</u>

_____ 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 cc	pH	Conductivity µmhos/cm	Temperature °C	D.O.	ORP	Alkalinity
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	Sequoia Analytical	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: 8-19-98
Sampler: F. Cline

Well ID: MW-6
Well Diameter: 4" in.
Total Depth: 16.60 ft.
Depth to Water: 15.86 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

0.74 X VF 0.17 = 0.05 X 3 (case volume) = Estimated Purge Volume: 0.15 (gal.)

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

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

Starting Time: _____
Sampling Time: 12:50
Purging Flow Rate: _____ gpm.
Did well de-water? No

Weather Conditions: clear warm
Water Color: clear Odor: Mild
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>12:50</u>	<u>8.135</u>	<u>7.05</u>	<u>950</u>	<u>22.8</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>6</u>	3 x 40m/VOA	Y	HCL	NEWT&L SEQUOIA	TPH-Gas/BTEX/MTBE

COMMENTS: Recovery system operating

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 8-19-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW-7

Well Condition: OKAY

Well Diameter 4" in.

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

Total Depth _____ ft.

Depth to Water 18.19 ft.

Volume Factor (VF)	2"	3"	12"	= 40.17
	6"			= 1.50

= 0.38

_____ 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 cc	pH	Conductivity µmhos/cm	Temperature —	D.O.	ORP	Alkalinity
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-_____	3 x 40m/VOA	Y	HCL	Sequoia Analytical	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: 8-19-98

City: Hayward, CA

Sampler: E.Cline

Well ID MW-8

Well Condition: OKAY

Well Diameter 4" in.

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

Total Depth ft.

Depth to Water 17.20 ft.

Vol ¹	2"	3"	12"	= 0.17	= 0.38
Factor (VF)	6"			= 1.50	

 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 cc	pH	Conductivity μmhos/cm	Temperature °C	D.O.	ORP	Alkalinity

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	Sequoia Analytical	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: 8-19-98
Sampler: E.Cline

Well ID MW- 9
Well Diameter 4" in.
Total Depth 191.2 ft.
Depth to Water 151.0 ft.

Well Condition: okay

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

4.10 X VF 0.66 = 2.7 X 3 (case volume) = Estimated Purge Volume: 8.1 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

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

Starting Time: 11:50
Sampling Time: 11:59
Purging Flow Rate: 1.5 gpm.
Did well de-water?

Weather Conditions: clear warm
Water Color: clear Odor: Mild
Sediment Description: clear
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>11:53</u>	<u>3</u>	<u>6.92</u>	<u>850</u>	<u>21.5</u>	<u> </u>	<u> </u>	<u> </u>
<u>11:55</u>	<u>6</u>	<u>6.90</u>	<u>852</u>	<u>21.4</u>	<u> </u>	<u> </u>	<u> </u>
<u>11:57</u>	<u>9</u>	<u>6.93</u>	<u>851</u>	<u>21.3</u>	<u> </u>	<u> </u>	<u> </u>
<u>11:59</u>	<u>10</u>	<u>6.94</u>	<u>850</u>	<u>21.8</u>	<u> </u>	<u> </u>	<u> </u>

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW- 9</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEHGTLS 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: 8-19-98

City: Hayward, CA

Sampler: E.Cline

Well ID MW-10

Well Condition: okay

Well Diameter 4" in.

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

Total Depth 27.6 ft.

Depth to Water 11.74 ft.

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

15.86 X VF 0.66 = 10.5 X 3 (case volume) = Estimated Purge Volume: 31.5 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

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

Starting Time: 10:17

Weather Conditions: clear warm

Sampling Time: 10:34

Water Color: clear Odor: None

Purging Flow Rate: 2 gpm.

Sediment Description: clear

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>10:22</u>	<u>10</u>	<u>7.52</u>	<u>1046</u>	<u>20.8</u>	<u> </u>	<u> </u>	<u> </u>
<u>10:27</u>	<u>20</u>	<u>7.58</u>	<u>1038</u>	<u>21.2</u>	<u> </u>	<u> </u>	<u> </u>
<u>10:32</u>	<u>30</u>	<u>7.60</u>	<u>1027</u>	<u>20.8</u>	<u> </u>	<u> </u>	<u> </u>
<u>10:34</u>	<u>31</u>	<u>7.61</u>	<u>1030</u>	<u>20.9</u>	<u> </u>	<u> </u>	<u> </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>NEUGTEL 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: 8-19-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW- 11
Well Diameter 4" in.
Total Depth 18.3 ft.
Depth to Water 18.78 ft.

Well Condition: okay

Hydrocarbon Thickness: 0 in. Amount Bailed 0 (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: _____

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)

Recovered from well

LABORATORY INFORMATION

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

COMMENTS: Recovery system operation No water recovered from well

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 8-19-98

City: Hayward, CA

Sampler: F. Cline

Well ID MW-12

Well Condition: O.K.A.Y

Well Diameter 4" in.

Hydrocarbon Thickness: 0 in.

Amount Bailed (product/water): 0 (gal.)

Total Depth _____ ft.

Depth to Water 18.40 ft.

V _{0.17}	2"	3"	= 40.17	
Factor (VF)	6"	12"	= 1.50	

= 0.38

_____ 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 cc	pH	Conductivity µmhos/cm	Temperature °C	D.O.	ORP	Alkalinity
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	3 x 40m/VOA	Y	HCL	Sequoia Analytical	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: 8-19-9E

City: Hayward, CA

Sampler: F. Cline

Well ID MW-13

Well Condition: okay

Well Diameter 4" in.

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

Total Depth 18' ft.

Depth to Water 14.00 ft.

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

4.00 X VF 0.66 2.64 X 3 (case volume) = Estimated Purge Volume: 7.92 (gal.)

Purge Equipment:

Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment:

Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1138

Weather Conditions: clear warm

Sampling Time: 1146

Water Color: clear Odor: slight M.I.C.

Purging Flow Rate: 1.5 gpm

Sediment Description: 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>1140</u>	<u>3</u>	<u>6.77</u>	<u>977</u>	<u>21.8</u>			
<u>1145</u>	<u>6</u>	<u>6.73</u>	<u>985</u>	<u>21.6</u>			
<u>1149</u>	<u>9</u>	<u>6.74</u>	<u>980</u>	<u>21.7</u>			
<u>1146</u>	<u>10</u>	<u>6.75</u>	<u>982</u>	<u>21.8</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>13</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEH/TEL 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: 8-19-98
Sampler: E. Cline

Well ID: MW-14
Well Diameter: 2" in.
Total Depth: 38 ft.
Depth to Water: 19.33 ft.

Well Condition: okay
Hydrocarbon Thickness: 0 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

11.67 X VF 0.17 = 1.98 X 3 (case volume) = Estimated Purge Volume: 5.95 (gal.)

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

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

Starting Time: 11:11
Sampling Time: 11:14
Purging Flow Rate: 2 gpm.
Did well de-water? No

Weather Conditions: clear warm
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>11:12</u>	<u>2</u>	<u>6.95</u>	<u>899</u>	<u>19.1</u>			
<u>11:13</u>	<u>4</u>	<u>6.93</u>	<u>899</u>	<u>19.2</u>			
<u>11:14</u>	<u>6</u>	<u>6.88</u>	<u>993</u>	<u>19.3</u>			
<u>11:16</u>	<u>7</u>	<u>6.89</u>	<u>994</u>	<u>19.2</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>14</u>	<u>3 x 40m/VOA</u>	<u>Y</u>	<u>HCL</u>	<u>NEWT/EL 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: 8-18-98

City: Hayward, CA

Sampler: F. Cline

Well ID

MW-15
2"

Well Condition:

okay

Well Diameter

2" in.

Hydrocarbon

✓

Amount Bailed

✓

Thickness:

in.

(product/water):

(gal.)

Total Depth

22' ft.

Depth to Water

14.90 ft.

Volume

2" = 0.17

3" = 0.38

4" = 0.66

Factor (VF)

6" = 1.50

12" = 5.80

7.10

X VF 0.17

= 1.16

X 3 (case volume) = Estimated Purge Volume:

3.4

(gal.)

Purge
Equipment:

Disposable Bailer

Bailer

Stack

Suction

Grundfos

Other: _____

Sampling

Equipment:

Disposable Bailer

Bailer

Pressure Bailer

Grab Sample

Other: _____

Starting Time:

1043

Weather Conditions:

clear warm

Sampling Time:

1047

Water Color:

clear

Odor:

Mar

Purging Flow Rate:

1.5

gpm.

Sediment Description:

Mar

Did well de-water?

If yes; Time:

Volume:

(gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1043</u>	<u>1.5</u>	<u>7.57</u>	<u>1052</u>	<u>20.0</u>			
<u>1044</u>	<u>3.0</u>	<u>7.32</u>	<u>1072</u>	<u>19.7</u>			
<u>1045</u>	<u>4.5</u>	<u>7.18</u>	<u>1100</u>	<u>19.5</u>			
<u>1047</u>	<u>5.0</u>	<u>7.20</u>	<u>1099</u>	<u>19.6</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>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: 8-18-98
Sampler: E.Cline

Well ID MW-16
Well Diameter 2" in.
38'
Total Depth 19.25 ft.
Depth to Water 18.75 ft.

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

18.75 x VF 0.17 = 3.2 X 3 (case volume) = Estimated Purge Volume: 9.6 (gal.)

Purge Equipment: Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other:

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

Starting Time: 1052
Sampling Time: 1100
Purging Flow Rate: 1.6 gpm.
NC
Did well de-water?

Weather Conditions: clear warm
Water Color: clear Odor: mild
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)
1054	3.2	6.87	890	18.7			
1056	6.4	6.81	930	18.5			
1058	9.6	6.83	890	18.4			
1100	10.0	6.82	895	18.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>16</u>	3 x 40m/VOA	Y	HCL	NEWCASTLE QUOTA	TPH-Gas/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Chevron Facility # 9-0260

Job#: 5110.80

Address: 21995 Foothill Boulevard

Date: 8-19-98

City: Hayward, CA

Sampler: E. Cline

Well ID MW-17

Well Condition: okay

Well Diameter 2" in.

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

Total Depth 33.6 ft.

Depth to Water 21.74 ft.

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

11.86 X VF 0.17 = 2.0 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment:

Disposable Bailer
Bailer
Stack
Suction
Grundfos
Other: _____

Sampling Equipment:

Disposable Bailer
Bailer
Pressure Bailer
Grab Sample
Other: _____

Starting Time: 1001

Weather Conditions: clear, warm

Sampling Time: 1009

Water Color: clear Odor: Na

Purging Flow Rate: 1 gpm.

Sediment Description: Na

Did well de-water? NC

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>1003</u>	<u>2</u>	<u>7.70</u>	<u>671</u>	<u>19.6</u>			
<u>1005</u>	<u>4</u>	<u>7.57</u>	<u>773</u>	<u>19.5</u>			
<u>1007</u>	<u>6</u>	<u>7.55</u>	<u>775</u>	<u>19.5</u>			
<u>1009</u>	<u>7</u>	<u>7.56</u>	<u>774</u>	<u>19.5</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</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
Address: 21995 Foothill Boulevard
City: Hayward, CA

Job#: 5110.80
Date: 8-19-98
Sampler: E.Cline

Well ID MW-18
Well Diameter 2" in.
Total Depth 25' ft.
Depth to Water 16.34 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

8.66 X VF 0.17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: Disposable Bailer
Stack
Suction
Grundfos
Other:

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

Starting Time: 11:24
Sampling Time: 11:29
Purging Flow Rate: 1.5 gpm.
Did well de-water?

Weather Conditions: clear warm
Water Color: clear Odor: Mild
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>1125</u>	<u>1.5</u>	<u>6.90</u>	<u>959</u>	<u>21.7</u>	<u> </u>	<u> </u>	<u> </u>
<u>1126</u>	<u>3.0</u>	<u>6.91</u>	<u>937</u>	<u>20.8</u>	<u> </u>	<u> </u>	<u> </u>
<u>1127</u>	<u>4.5</u>	<u>6.87</u>	<u>938</u>	<u>20.7</u>	<u> </u>	<u> </u>	<u> </u>
<u>1129</u>	<u>5.0</u>	<u>6.90</u>	<u>937</u>	<u>20.8</u>	<u> </u>	<u> </u>	<u> </u>

LABORATORY INFORMATION

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

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 SEQUOIA Service Code: ZZ02790
Laboratory Service Order # 9144488
Samples Collected by (Name) F. Chin
Collection Date 8-19-98
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix: S = Soil W = Water A = Air C = Charcoal	Type C = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed												DO NOT BILL TB-LB ANALYSIS	Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
								TPH Gas + BTEX w/MTBE (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Relinquished By (Signature) <u>[Signature]</u>	Organization G-R Inc.	Date/Time 8-20-98/0400	Received By (Signature) <u>Joan Weber</u>	Organization G-R Inc.	Date/Time 8-20-98	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. <u>20 4 05</u> 6 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>Joan Weber</u>	Organization G-R INC.	Date/Time 8-20-98	Received By (Signature) <u>Steve Tan</u>	Organization SED	Date/Time 8/20/98	
Relinquished By (Signature) <u>Steve Tan</u>	Organization	Date/Time 8/20/98	Received For Laboratory By (Signature) <u>h z</u>		Date/Time 8-20-98/1605	



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680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063 (650) 364-9600
Walnut Creek, CA 94598 (925) 988-9600
Sacramento, CA 95834 (916) 921-9600
Petaluma, CA 94954 (707) 792-1365

FAX (650) 364-9233
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FAX (916) 921-0100
FAX (707) 792-0342

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SEP 05 1998

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: 9808C73-01

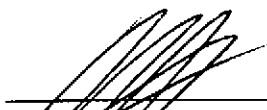
GETTLER-RYAN ANALYTICAL
GENERAL CONTRACTORS
Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

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	87

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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680 Chesapeake Drive
404 N. Wiger Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
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-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-10

Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	37000
Methyl t-Butyl Ether	250	1600
Benzene	50	390
Toluene	50	220
Ethyl Benzene	50	160
Xylenes (Total)	50	3600
Chromatogram Pattern:		GAS
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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1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
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Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

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

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9808C73-10

Sampled: 08/19/98
Received: 08/20/98

Analyzed: 08/28/98
Reported: 08/31/98

Attention: Deanna Harding

QC Batch Number: MS082798MTBEH6A
Instrument ID: H6

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	66	1000
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	96

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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819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
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-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-09

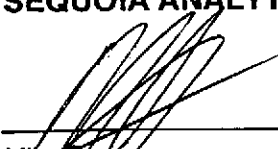
Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	42000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	N.D.
Toluene	50	330
Ethyl Benzene	50	890
Xylenes (Total)	50	4200
Chromatogram Pattern:		GAS
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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680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

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

Client Proj. ID: Chevron 9-0260, Hayward
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-03

Sampled: 08/19/98
Received: 08/20/98

Analyzed: 08/26/98
Reported: 08/31/98

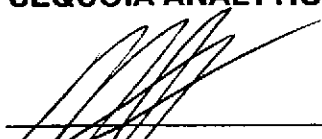
Attention: Deanna Harding

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	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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1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
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-13
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-08

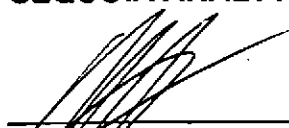
Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	57000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	1600
Toluene	50	440
Ethyl Benzene	50	1900
Xylenes (Total)	50	4500
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

Page:

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**Sequoia
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680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

Gettler Ryan/Geostrategies 6747 Sierra Court Suite J Dublin, CA 94568	Client Proj. ID: Chevron 9-0260, Hayward Sample Descript: MW-14 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9808C73-06	Sampled: 08/19/98 Received: 08/20/98 Analyzed: 08/26/98 Reported: 08/31/98
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	7900
Methyl t-Butyl Ether	250	N.D.
Benzene	50	610
Toluene	50	390
Ethyl Benzene	50	51
Xylenes (Total)	50	300
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

680 Chesapeake Drive
404 N. Wiger Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
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: 9808C73-04

Sampled: 08/19/98
Received: 08/20/98

Analyzed: 08/26/98
Reported: 08/31/98

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

Page:

4



Sequoia
Analytical

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404 N. Wiger Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

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: 9808C73-05

Sampled: 08/19/98
Received: 08/20/98

Analyzed: 08/26/98
Reported: 08/31/98

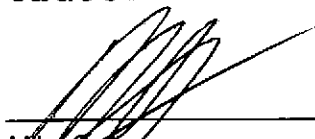
Attention: Deanna Harding

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	40000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	2300
Toluene	50	740
Ethyl Benzene	50	1700
Xylenes (Total)	50	2700
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

Page:

5



**Sequoia
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404 N. Wiger Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
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-17
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-02

Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

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	90

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

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
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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-18
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9808C73-07

Sampled: 08/19/98
Received: 08/20/98
Analyzed: 08/26/98
Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	93000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	4900
Toluene	50	1700
Ethyl Benzene	50	2100
Xylenes (Total)	50	9000
Chromatogram Pattern:		GAS
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	90

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

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
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Petaluma, CA 94954

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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: 08/20/98

Lab Proj. ID: 9808C73

Reported: 08/31/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 15 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPH-GAS/BTEX:

Sample 9808C73-05 was diluted 100-fold.
Sample 9808C73-06 was diluted 100-fold.
Sample 9808C73-07 was diluted 100-fold.
Sample 9808C73-08 was diluted 100-fold.
Sample 9808C73-09 was diluted 100-fold.
Sample 9808C73-10 was diluted 100-fold.

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
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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 #: **9808C73 -01-10**

Reported: **Sep 1, 1998**

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	08V8455	08V8455	08V8455	08V8455
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 8015M	EPA 8015M	EPA 8015M	EPA 8015M
Analyst:	L. Hall	L. Hall	L. Hall	L. Hall
LCS/LCSD #:	LCS082698	LCS082698	LCS082698	LCS082698
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/26/98	8/26/98	8/26/98	8/26/98
Analyzed Date:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	18	18	18	19
LCS % Recovery:	90	90	90	95
Dup. Result:	19	19	19	20
LCSD % Recov.:	95	95	95	100
RPD:	5.4	5.4	5.4	5.1
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

9808C73.GET <1>



Sequoia
Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

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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 #: 9808C73-10

Reported: Sep 1, 1998

QUALITY CONTROL DATA REPORT

Analyte: MTBE

QC Batch#: MS082798MTBEH6A

Analy. Method: EPA 8260

Prep. Method: N.A.

Analyst: M. Williams

MS/MSD #: 9808C9712

Sample Conc.: N.D.

Prepared Date: 8/27/98

Analyzed Date: 8/27/98

Instrument I.D.#: H6

Conc. Spiked: 50 µg/L

Result: 47

MS % Recovery: 94

Dup. Result: 49

MSD % Recov.: 98

RPD: 4.2

RPD Limit: 0-25

LCS #: LCS082898

Prepared Date: 8/28/98

Analyzed Date: 8/28/98

Instrument I.D.#: H6

Conc. Spiked: 50 µg/L

LCS Result: 43

LCS % Recov.: 86

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

9808C73.GET <2>