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Chevron

September 27, 1995

SEP 29 1995

HAYWARD FIRE DEPARTMENT

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

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

Site Assessment & Remediation Group
Phone (510) 842-9500

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

Dear Mr. Arigala:

Enclosed is the Quarterly Groundwater Sampling Report dated September 19, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. Currently, monitor wells MW-6, MW-9, MW-11, and MW-13 are sampled during the 1st and 3rd quarters and monitor wells MW-4, MW-5, MW-7, MW-8, and MW-12 are sampled during the 2nd and 4th quarters. Monitor well MW-10 is sampled during the first quarter only. Monitor wells MW-14, MW-15, MW-16, and MW-17 are sampled during all four quarters. Depth to water measurements are taken from all wells on a quarterly basis to maintain knowledge of ground water flow direction and gradient.

As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. The levels of dissolved hydrocarbon constituents in the ground water samples analyzed have returned to historic levels. The reason for the decrease in concentrations observed last quarter is unknown. Depth to ground water was measured at approximately 10.4 to 22.4 feet below grade and the direction of flow is to the southwest.

The ground water extraction system at this site has treated over 280,000 gallons of hydrocarbon impacted ground water to date. We are currently evaluating additional remediation options at this site. Chevron will continue to monitor and sample all wells at this site in accordance with the schedule outlined above.

If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer
Enclosure

cc: Mr. Rafat Shahid, Alameda County Health Care Services
✓ Mr. Hugh Murphy, City of Hayward Fire Department
Mr. Kent O'Brien, Geraghty & Miller - Richmond
Mr. S.A. Willer



GETTLER-RYAN INC.

September 19, 1995

Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, CA
Job #5110.85

Dear Mr. Miller:

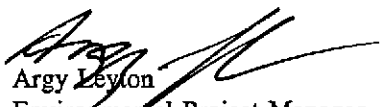
This report documents the quarterly groundwater sampling event performed by Gettler-Ryan, Inc. (G-R). On August 4, 1995, field personnel were on-site to gauge fourteen wells (MW-4 through MW-17) and sample nine wells (MW-6, MW-9 through MW-11, and MW-13 through MW-17) at Chevron Service Station #9-0260 located at 21995 Foothill Boulevard in Hayward, California.

Static groundwater levels were measured on August 4, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. Separate-phase removal information is presented in Table 2. A potentiometric map is included as Figure 1.

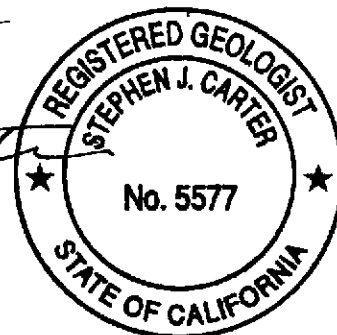
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Groundwater Technologies Environmental Laboratories, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are attached. G-R is not responsible for laboratory omissions or errors.

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

Sincerely,


Argy Lewton
Environmental Project Manager


Stephen J. Carter
Senior Geologist, R.G. 5577



AML/SJC/dlh
5110.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytic Results
Table 2: Separate-phase Removal Data
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Report

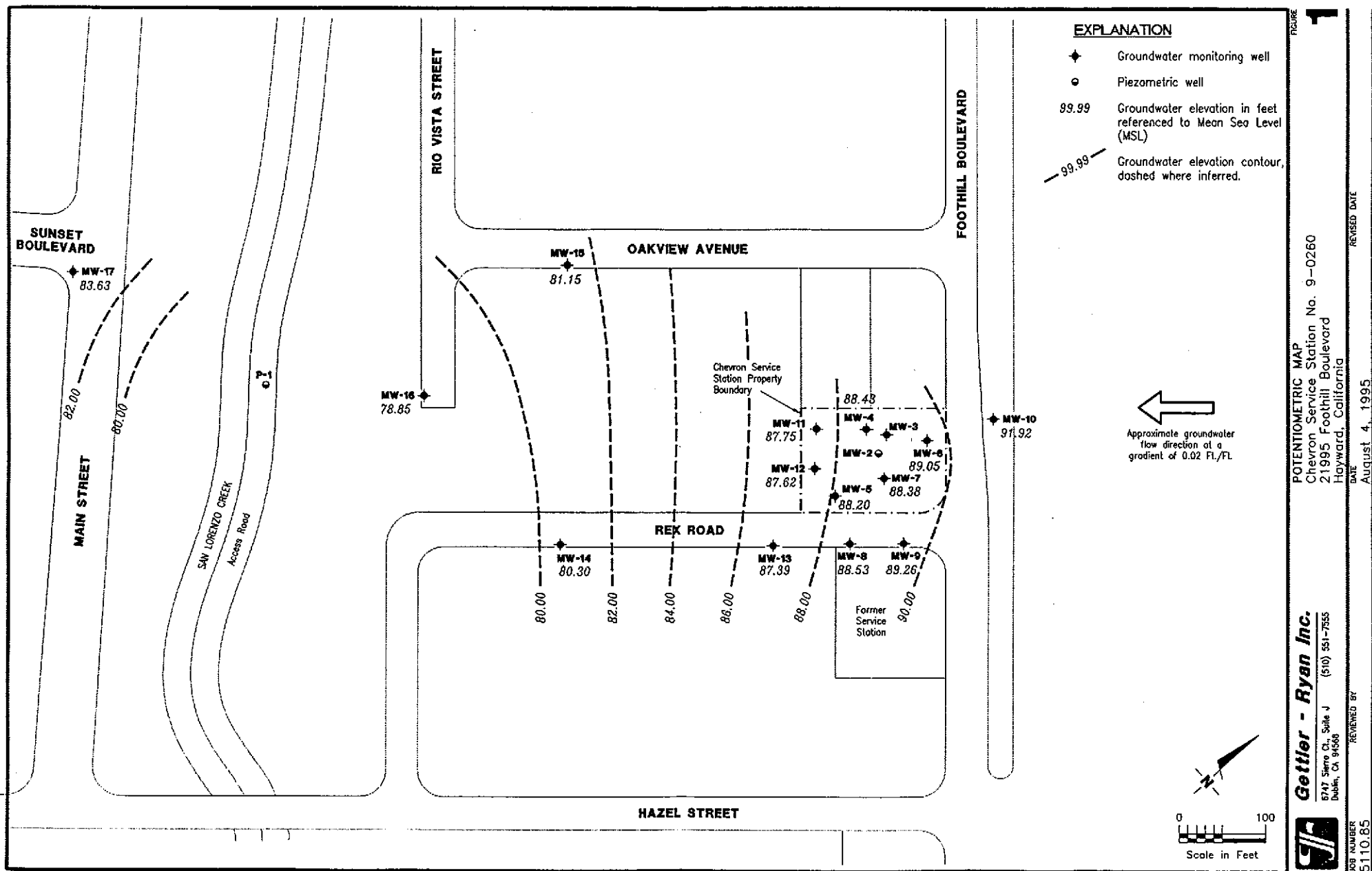




Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
MW-4	2/5/88	—	—	0	8240	88,000	24,000	19,000	1,700	10,000
	6/15/88	12.92	87.83	0	8240	95,000	45,000	30,000	2,100	17,000
100.75	9/27/88 ^{1,2}	14.22	86.53	0	8240	500,000	41,000	27,000	<5,000	16,000
	9/27/88 ^{1,3,4}	—	—	0	8240	88,000	1,200	4,100	1,600	12,000
	1/5/89	13.20	87.55	0	8240	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	8240	110,000	34,000	24,000	2,400	13,000
	10/3/89	14.75	86.00	0	8240	240,000	36,000	31,000	3,200	19,000
	1/4/90	14.75	86.00	0	8240	130,000	33,000	28,000	2,400	14,000
	4/3/90	13.81	86.94	0	8240	110,000	41,000	32,000	2,900	17,000
	7/3/90	14.06	86.69	0	8240	180,000	32,000	30,000	2,600	15,000
	11/6/90	15.66	85.09	0	8240	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	8240	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	8240	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	—	8240	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	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	12.30	88.43	0	—	—	—	—	—	—
MW-5	2/5/88	—	—	0	8240	80,000	16,000	15,000	2,600	17,000
	6/15/88	12.30	87.67	0	8240	77,000	42,000	38,000	2,500	16,000
99.97	9/27/88 ^{1,2}	13.25	86.72	0	8240	470,000	39,000	32,000	<5,000	16,000
	9/27/88 ^{3,5}	—	—	—	8240	48,000	1,800	3,500	1,600	10,000
	1/5/89	12.70	87.27	0	8240	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	8240	80,000	36,000	24,000	2,400	13,000
	10/3/89	14.27	85.70	0	8240	240,000	40,000	35,000	2,600	15,000
	1/4/90	14.31	85.66	0	8240	130,000	37,000	31,000	2,400	13,000
	4/3/90	13.50	86.47	0	8240	120,000	41,000	33,000	2,500	14,000
	7/3/90	13.64	86.33	0	8240	200,000	28,000	25,000	1,800	10,000
	11/6/90	15.14	84.83	0	8240	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	8240	140,000	36,000	32,000	2,700	17,000
	7/2/91	13.89	86.08	0	—	—	—	—	—	—



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) B T E X				
						<-----ppb----->				
MW-5/ (cont)	10/2/91	15.26	84.71	0	8240	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	8240	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	8015/8020	1,100,000	64,000	69,000	9,200	61,000
	5/15/95	10.18	89.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	11.77	88.20	0	---	---	---	---	---	---
MW-6 101.43	2/5/88	---	---	0	8240	53,000	5,100	4,400	2,100	14,000
	6/15/88	13.51	87.92	0	8240	33,000	9,200	5,500	520	20,000
	9/27/88 ¹	14.56	86.87	0	8240	17,000	2,200	2,800	1,700	5,100
	1/5/89	13.48	87.95	0	8240	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	8240	80,000	7,000	4,100	2,000	9,700
	10/3/89	13.03	88.40	0	8240	110,000	8,500	5,100	2,600	14,000
	1/4/90	15.08	86.35	0	8240	59,000	5,200	2,600	2,000	11,000
	4/3/90	14.06	87.37	0	8240	31,000	6,600	2,600	2,200	12,000
	7/3/90	14.28	87.15	0	8240	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	---	8240	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	8240	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	8240	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	8240	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	8240	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	8240	61,000	7,000	1,500	1,500	7,400



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	B	T ppb----->	E	X
MW-6 (cont)	6/13/94	13.37	88.06	0	—	—	—	—	—	—
	10/4/94	15.56	85.87	0	8015/8020	78,000	13,000	940	1,900	10,000
	11/14/94	13.53	87.90	0	— ¹¹	—	—	—	—	—
	5/15/95	10.53	90.90	0	—	—	—	—	—	—
	8/4/95	12.38	89.05	0	8015/8020	51,000	8,600	1,400	1,900	7,800
MW-7 100.91	2/5/88	—	—	—	8240	81,000	34,000	36,000	2,400	16,000
	6/15/88	12.57	88.34	—	8240	77,000	40,000	41,000	1,400	24,000
	9/27/88 ^{1,7}	13.60	87.31	—	8240	30,000	9,700	8,900	400	4,100
	1/5/89	12.98	87.93	—	8240	96,000	36,000	38,000	2,800	16,000
	4/6/89	12.34	88.57	—	—	—	—	—	—	—
	6/28/89	14.08	86.83	—	8240	110,000	31,000	30,000	2,600	16,000
	10/3/89	14.53	86.38	—	8240	230,000	34,000	34,000	2,400	15,000
	1/4/90	14.49	86.42	—	8240	150,000	41,000	40,000	2,400	15,000
	4/3/90	13.66	87.25	—	8240	100,000	31,000	28,000	2,100	16,000
	7/3/90	13.86	87.05	—	8240	190,000	30,000	27,000	1,800	13,000
	11/6/90	15.58	85.33	—	8240	160,000	27,000	25,000	1,900	15,000
	1/4/91	15.25	85.66	—	—	—	—	—	—	—
	4/3/91	11.41	89.50	—	8240	240,000	40,000	36,000	2,400	18,000
	7/2/91	14.18	86.73	—	—	—	—	—	—	—
	10/2/91	15.78	85.13	—	8240	220,000	26,000	27,000	2,500	18,000
	1/2/92	15.45	85.46	—	—	—	—	—	—	—
	4/7/92	13.48	87.43	—	8240	260,000	27,000	26,000	2,400	15,000
	8/13/92	15.89	85.02	—	—	—	—	—	—	—
	12/3/92	16.43	84.48	—	8240	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	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	12.53	88.38	0	—	—	—	—	—	—
MW-8 99.67	10/27/88	—	—	—	8240	190,000	27,000	43,000	2,200	15,000
	1/5/89	12.02	87.65	—	8240	87,000	24,000	39,000	3,000	15,000
	4/6/89	11.78	87.89	—	—	—	—	—	—	—
	6/28/89	13.40	86.27	—	8240	120,000	22,000	35,000	2,900	16,000



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
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	8015/8020	140,000	12,000	36,000	2,400	17,000
	5/15/95	9.95	89.72	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	11.14	88.53	0	---	---	---	---	---	---
MW-9 101.15	10/27/88	---	---	---	8240	50,000	2,000	9,900	2,000	14,000
	1/5/89	12.63	88.52	0	8240	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	8240	100,000	510	4,500	2,600	13,000
	10/3/89	14.61	86.54	0	8240	130,000	540	8,000	3,200	17,000
	1/4/90	14.59	86.56	0	8240	83,000	600	4,600	2,600	14,000
	4/3/90	13.75	87.40	0	8240	52,000	1,600	5,400	3,100	16,000
	7/3/90	13.84	87.31	0	8240	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	8240	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	8240	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	8240	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	8240	45,000	1,300	3,000	1,500	7,100



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
MW-9 (cont)	12/3/92	16.66	84.49	0	—	—	—	—	—	—
	3/25/93	11.48	89.67	0	8240	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	8240	54,000	1,900	3,400	1,700	9,100
	12/2/93	14.70	86.46	0.01	8240	—	—	—	—	—
	3/8/94	12.63	88.52	0	8240	49,000	800	780	390	3,600
	6/13/94	13.65	87.50	0	—	—	—	—	—	—
	10/4/94	15.20	85.95	0	8015/8020	180,000	2,600	5,400	1,700	11,000
	11/14/94	14.25	86.90	0	— ¹¹	—	—	—	—	—
	5/15/95	10.64	90.51	0	—	—	—	—	—	—
	8/4/95	11.89	89.26	0	8015/8020	42,000	1,400	2,700	1,700	9,000
MW-10 102.36	10/27/88 ¹	—	—	—	8240	<500	26	13	<5	<5
	1/5/89	12.64	89.72	0	8240	<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	8240	<500	<0.5	<0.5	<0.5	<0.5
	10/3/89	13.85	88.51	0	8240	<500	<0.5	<0.5	<0.5	<0.5
	1/4/90	13.75	88.61	0	8240	<50	0.5	1.1	<0.5	1.7
	4/3/90	12.86	89.50	0	8240	<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	8240	<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	8240	<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	8240	<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	8240	<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	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/15/95	8.98	93.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	10.44	91.92	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
MW-11	6/28/89	14.33	85.64	0	8240	60,000	36,000	13,000	2,500	12,000
	10/3/89	14.61	85.36	0	8240	14,000	4,200	1,400	240	1,300
	1/4/90	14.55	85.42	0	8240	82,000	33,000	11,000	2,000	10,000
	4/3/90	13.82	86.15	0	8240	78,000	35,000	12,000	2,300	12,000
	7/3/90	14.00	85.97	0	8240	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	8240	340,000	29,000	14,000	3,700	24,000
	7/2/91	13.97	---	0.02	8240	130,000	27,000	14,000	2,200	12,000
	10/2/91	15.60	---	---	---	---	---	---	---	---
99.97	1/2/92	14.51	85.46	0	8240	77,000	18,000	14,000	1,900	10,000
	4/7/92	13.13	86.84	0	---	---	---	---	---	---
	8/13/92	17.04	82.53	---	---	---	---	---	---	---
	12/3/92	15.59	83.98	---	---	---	---	---	---	---
	3/25/93	10.06	89.51	---	8240	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	---	---	---	---	---	---	---
99.57	8/4/95	11.82	87.75	0	8015/8020	33,000	9,400	3,000	1,800	6,100
MW-12	6/28/89	14.10	85.54	0	8240	55,000	30,000	21,000	2,900	19,000
	10/3/89	14.30	85.34	0	8240	170,000	30,000	23,000	2,700	15,000
	1/4/90	14.35	85.29	0	8240	110,000	24,000	19,000	2,300	12,000
	4/3/90	13.59	86.05	0	8240	89,000	41,000	28,000	3,300	17,000
	7/3/90	13.77	85.87	0	8240	170,000	27,000	20,000	2,200	12,000
	11/6/90	15.19	84.45	0.06	8240	110,000	28,000	21,000	2,400	14,000
	1/4/91	14.52	---	---	---	---	---	---	---	---
	4/3/91	10.91	---	---	---	---	---	---	---	---
	4/9/91	---	---	0	8240	170,000	39,000	17,000	2,400	14,000
	7/2/91	13.51	---	0	---	---	---	---	---	---
99.64	10/2/91	14.93	---	---	8240	170,000	27,000	15,000	2,600	17,000
	1/2/92	14.45	85.19	0	---	---	---	---	---	---
	4/7/92	13.05	86.59	0	---	---	---	---	---	---
	8/13/92	17.39	81.83	0	---	---	---	---	---	---
	12/3/92	15.34	83.88	0	8240	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	8240	110,000	30,000	19,000	2,000	12,000
	3/8/94	11.95	87.27	0	---	---	---	---	---	---
99.22	6/28/89	14.10	85.54	0	8240	55,000	30,000	21,000	2,900	19,000
	10/3/89	14.30	85.34	0	8240	170,000	30,000	23,000	2,700	15,000
	1/4/90	14.35	85.29	0	8240	110,000	24,000	19,000	2,300	12,000
	4/3/90	13.59	86.05	0	8240	89,000	41,000	28,000	3,300	17,000
	7/3/90	13.77	85.87	0	8240	170,000	27,000	20,000	2,200	12,000
	11/6/90	15.19	84.45	0.06	8240	110,000	28,000	21,000	2,400	14,000
	1/4/91	14.52	---	---	---	---	---	---	---	---
	4/3/91	10.91	---	---	---	---	---	---	---	---
	4/9/91	---	---	0	8240	170,000	39,000	17,000	2,400	14,000
	7/2/91	13.51	---	0	---	---	---	---	---	---



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
MW-12 (cont)	6/13/94	12.35	86.87	0	8240	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	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	11.60	87.62	0	—	—	—	—	—	—
MW-13 98.47	6/28/89	13.22	85.25	0	8240	54,000	12,000	10,000	1,900	15,000
	10/3/89	13.54	84.93	0	8240	120,000	10,000	10,000	2,300	15,000
	1/4/90	13.64	84.83	0	8240	87,000	6,800	10,000	2,000	12,000
	4/3/90	12.95	85.52	0	8240	53,000	12,000	14,000	2,900	17,000
	7/3/90	13.05	85.42	0	8240	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	8240	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	8240	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	8240	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	8240	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	8240	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	8240	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	8015/8020	39,000	2,300	2,700	850	4,600
	11/14/94	12.62	85.85	0	— ¹¹	—	—	—	—	—
	5/15/95	9.93	88.54	—	—	—	—	—	—	—
	8/4/95	11.08	87.39	0	8015/8020	47,000	7,700	10,000	2,900	10,000
MW-14 99.68	8/29/90	21.39	78.29	0	8240*	970	4	2	0.7	2
	11/6/90	21.62	78.06	0	8240	920	10	10	4	9
	1/4/91	21.69	77.99	0	8240	1,000	<0.5	4.0	2.6	4.2
	4/3/91	19.53	80.15	0	8240	1,200	380	6	7	18
	7/2/91	20.93	78.75	0	8240	460	27	1.0	1.2	1.0
	10/2/91	21.52	78.16	0	8240	480	6.7	0.8	1.4	1.8
	1/2/92	21.43	78.25	0	8240	1,100	2.4	1.5	6.2	18
	4/7/92	21.36	78.32	0	8240	290	<0.5	1.4	<0.5	1.2
	8/13/92	21.07	78.61	0	8240	370	10	1.2	<0.5	0.9



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----ppb----->	B	T	E	X
MW-14 (cont)	12/3/92	21.67	78.01	0	8240	230	1.3	<0.5	<0.5	<0.5
	3/25/93	19.03	80.65	0	8240	390	57	2.1	1.3	1.7
	6/23/93	19.94	79.74	0	8240	4,400	460	220	16	62
	9/21/93	20.65	79.03	0	8240	680	8.7	1.7	3.2	12
	12/2/93	21.05	78.63	0	8240	900	0.8	7	3	7
	3/8/94	20.05	79.63	0	8240	1,700	2.4	7.7	5.6	14
	6/13/94	20.21	79.47	0	8240	750	0.8	8.0	3.2	5.7
	10/4/94	20.70	78.98	0	8015/8020	130	3.4	5.4	<0.5	2.0
	11/14/94	20.00	79.68	0	8015/8020	9,900	620	1,600	120	920
	5/15/95	18.49	81.19	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	19.38	80.30	0	8015/8020	1,000	170	58	6.6	20
MW-15 96.06	8/29/90	16.58	79.48	0	8240 ^a	2,000	26	2	72	110
	11/6/90	17.43	78.63	0	8240	1,300	40	5	45	63
	1/4/91	16.37	79.69	0	8240	1,700	46	2.8	58	86
	4/3/91	12.46	83.60	0	8240	2,100	74	0.8	44	85
	7/2/91	16.53	79.53	0	8240	1,700	39	<0.5	35	46
	10/2/91	17.33	78.73	0	8240	1,100	50	<0.5	40	33
	1/2/92	16.46	79.60	0	8240	1,300	51	<0.5	30	30
	4/7/92	14.70	81.36	0	8240	2,600	98	<5	64	36
	8/13/92	16.72	79.34	0	8240	510	55	<0.5	35	2.8
	12/3/92	17.43	78.63	0	8240	1,000	64	0.9	22	4.4
	3/25/93	13.33	82.73	0	8240	1,300	86	52	0.7	7.7
	6/23/93	15.23	80.83	0	8240	7,300	34	<0.5	85	160
	9/21/93	16.32	79.74	0	8240	1,500	39	<0.5	32	33
	12/2/93	16.57	79.49	0	8240	990	28	4	8	10
	3/8/94	14.61	81.45	0	8240	3,400	44	4.0	28	53
	10/4/94	16.48	79.58	0	8015/8020	310	11	10	2.2	12
	11/14/94	14.20	81.86	0	8015/8020	450	27	2.4	2.2	4.2
	5/15/95	13.38	82.68	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	14.91	81.15	0	8015/8020	<50	0.6	<0.5	<0.5	0.8
MW-16 98.15	8/29/90	20.89	77.26	0	8240 ^a	11,000	6,000	51	1,100	20
	11/6/90	21.27	76.88	0	8240	15,000	6,300	340	1,300	540
	1/4/91	21.63	76.52	0	8240	16,000	6,800	820	1,300	1,500
	4/3/91	19.32	78.83	0	8240	45,000	7,300	2,200	1,800	4,900
	7/2/91	20.68	77.47	0	8240	30,000	6,400	530	1,500	1,800
	10/2/91	21.18	76.97	0	8240	24,000	4,600	450	1,400	1,600
	1/2/92	21.30	76.85	0	8240	20,000	4,700	240	1,200	1,100
	4/7/92	20.19	77.96	0	8240	40,000	5,000	980	1,100	2,100



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) ←-----	B	T ppb----->	E	X
MW-16 (cont)	8/13/92	20.77	77.38	0	8240	17,000	4,500	240	860	530
	12/3/92	21.44	76.71	0	8240	39,000	4,600	410	1,100	2,200
	3/25/93	18.83	79.32	0	8240	39,000	5,500	1,400	690	2,000
	6/23/93	19.72	78.43	0	8240	29,000	6,600	1,200	1,400	3,700
	9/21/93	20.38	77.77	0	8240	36,000	6,300	340	1,200	1,800
	12/2/93	20.84	77.31	0	8240	28,000	5,600	230	900	820
	3/8/94	20.27	77.88	0	8240	35,000	6,500	760	1,000	1,300
	10/4/94	20.58	77.57	0	8015/8020	39,000	9,700	680	1,300	3,300
	11/14/94	20.12	78.03	0	8015/8020	26,000	5,500	640	690	1,800
	5/15/95	18.16	79.99	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	19.30	78.85	0	8015/8020	23,000	6,200	1,900	1,500	4,500
MW-17 106.00	8/13/92	23.30	82.70	0	8240	<50	<0.5	<0.5	<0.5	<0.5
	12/3/92	24.74	81.26	0	8240	<50	<0.5	<0.5	<0.5	<0.5
	3/25/93	22.14	83.86	0	8240	<50	<0.5	<0.5	<0.5	<1.5
	6/23/93	23.02	82.98	0	8240	<50	<0.5	<0.5	<0.5	1
	9/21/93	23.09	82.91	0	8240	<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	8240	<50	<0.5	<0.5	<0.5	<0.5
	6/13/94	22.62	83.38	0	8240	<50	1.2	1.1	<0.5	0.9
	10/4/94	23.00	83.00	0	8015/8020	62	8.0	2.9	0.7	3.1
	11/14/94	23.03	82.97	0	8015/8020	550	22	120	8.9	84
	5/15/95	21.72	84.28	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	22.37	83.63	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
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	—	—	—	8240	<1,000	<0.3	<0.3	<0.3	<0.3
	3/8/94	—	—	—	8240	<50	1	1.4	<0.5	1.5
TBLB	1/5/89	—	—	—	8240	<1,000	<0.3	<0.3	<0.3	<0.3
	10/3/89	—	—	—	8240	<500	<0.5	<0.5	<0.5	<0.5
	1/4/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/3/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	7/3/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	11/6/90	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	1/4/91	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/3/91	—	—	—	8240	<50	<0.5	<0.5	<0.5	<0.5



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

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	B	T ppb	E	X >
TB-LB (cont)	7/2/91	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	10/2/91	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	1/2/92	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	4/7/92	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	8/13/92	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	12/3/92	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	3/25/93	--	--	--	8240	<50	<0.5	<0.5	<0.5	<1.5
	6/23/93	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	9/21/93	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.8
	12/2/93	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	3/8/94	--	--	--	8240	<50	0.6	0.8	<0.5	0.6
	6/13/94	--	--	--	8240	<50	<0.5	<0.5	<0.5	<0.5
	10/4/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	11/14/94	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/15/95	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/4/95	--	--	--	8015/8020	<50	<0.5	<0.5	<0.5	<0.5



Table 1. Water Level Data and Groundwater Analytic Results - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California

EXPLANATION:

TOC =
DTW = Depth to water
GWE = Groundwater elevation in feet above mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
DCE = 1,2 - Dichloroethane
EDB = Ethylene dibromide
VOCs = Volatile organic compounds
ppb = Parts per billion
— = Not analyzed/Not applicable

ANALYTIC METHODS:

8240 = EPA Method 524.2/8240 for total fuel and aromatic volatile hydrocarbons.
8015 = EPA Method 8015/5030 for TPPH(G).
8020 = EPA Method 8020 for BTEX.

NOTES:

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

- ¹ Samples analyzed by Fuel Fingerprint Analysis.
- ² EDB not detected at detection limits of 5,000 ppb.
- ³ Sample was analyzed a second time after the holding time expired to confirm the high TPH-G concentration reported in the original analysis.
- ⁴ DCE and EDB detected at 270 and 230 ppb, respectively.
- ⁵ DCE and EDB detected at 410 and 420 ppb, respectively.
- ⁶ Estimated thickness.
- ⁷ DCE detected at 2,600 ppb. EDB not detected at detection limits of 10 ppb.
- ⁸ DCE was detected at 1 ppb. Other VOCs not detected at detection limits of 0.5 to 4.0 pb.
- ⁹ Chloroform detected, concentration not stated. Other VOCs not detected at detection limits of 25 to 500 ppb.
- ¹⁰ Well not accessible due to down hole equipment.
- ¹¹ Well sampled semi-annually.
- ¹² GWE corrected for the presence of free-phase hydrocarbons using the formula $GWE = [(TOC - DTW) + (0.8)(\text{Product Thickness})]$. 0.8 is the assumed specific gravity of free-phase hydrocarbons.



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

Well ID	Date	Initial	Gallons Bailed (product + water)
		Product Thickness (ft)	
MW-7	11/14/94	0.18	0.5



STANDARD OPERATING PROCEDURE QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan 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 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 analytic 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, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery 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 USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-9

Well Condition

okay

Well Location Description

offsite NE @ Intersection

Well Diameter

4" in

Hydrocarbon Thickness

0

Total Depth

128' ft

Depth to Liquid

11.89 ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing 3x
Volume

6.11

x

0.66

x(VF)

9.0

#Estimated

12.0

gal.

Purge Equipment

Suction

Sampling Equipment

Bailer

Did well dewater

No

If yes, Time

Volume

Starting Time

11:39

Purging Flow Rate

gpm.

Sampling Time

11:44

Time

11:41

pH

6.64

Conductivity

556

Temperature

20.4

Volume

4

11:43

6.60

715

20.3

8

11:45

6.65

720

20.4

12

11:44

6.63

715

20.3

13

Weather Conditions

clearing

Water Color:

Clear

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-9</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HEL</u>	<u>GTBL</u>	<u>Gas Bior</u>

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW 10

Well Condition

okay

Well Location Description

4"

Clover Median Foothill NE 1/4 Sec

Well Diameter

in

Hydrocarbon Thickness

e

Total Depth

27.65 ft

Depth to Liquid

10.44 ft

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

of casing
Volume

3x

17.21

x

0.66

x(VF)

11.35

#Estimated

34

gal.
purge
Volume

Purge Equipment

Suction

Sampling Equipment

Bailer

Did well dewater

No

If yes, Time

Volume

Starting Time

9:31

Purging Flow Rate

5

gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
<u>9:34</u>	<u>7.30</u>	<u>1142</u>	<u>20.9</u>	<u>12</u>
<u>9:37</u>	<u>7.38</u>	<u>1144</u>	<u>20.7</u>	<u>24</u>
<u>9:40</u>	<u>7.37</u>	<u>1139</u>	<u>20.8</u>	<u>36</u>
<u>9:45</u>	<u>7.40</u>	<u>1140</u>	<u>20.8</u>	<u>37</u>

Weather Conditions

Cloudy

Water Color:

clear

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW 10</u>	<u>3x40ml HCA</u>	<u>4</u>	<u>HA</u>	<u>G7BL</u>	<u>Gas BTEX</u>

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

AAW-11

Well Condition

okay

Well Location Description

ON SNE SW Corner

Well Diameter

4" in

Hydrocarbon Thickness

0

Total Depth

18.6 ft

Depth to Liquid

11.82 ft

of casing
Volume

3x

C6.78

x

0.066

x(VF)

4.5

#Estimated
purge
Volume

13.4

gal.

Purge Equipment

Suction

Sampling Equipment

Baird

Did well dewater

No

If yes, Time

Volume

Starting Time

12:11

Purging Flow Rate

gpm.

Sampling Time

12:22

Time

12:13

pH

6.83

Conductivity

915

Temperature

20.0

Volume

5

12:15

6.66

894

20.6

10

12:17

6.67

893

20.4

15

12:22

6.68

892

20.6

16

Weather Conditions

Clearing

Water Color:

Clear

Odor:

Mild

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
AAW-11	3x40ml VOA	Y	HA	GT&L	Gas BTX

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 8-4-95ADDRESS 21995 Foothill Blvd JOB # 5110.85CITY Hayward CA SS# 9-0260Well ID MW-13 Well Condition okayWell Location Description offsite SW in PlanerWell Diameter 4" in Hydrocarbon Thickness 0Total Depth 18' ftDepth to Liquid 11.08 ft

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

of casing 3x 6.92 x 0.66 x (VF) 4.6 #Estimated 13.7 gal.
VolumePurge Equipment Suction Sampling Equipment BarberDid well dewater No If yes, Time _____ Volume _____Starting Time 11:25 Purging Flow Rate _____ gpm.Sampling Time 11:34

Time	pH	Conductivity	Temperature	Volume
<u>11:27</u>	<u>6.90</u>	<u>794</u>	<u>19.7</u>	<u>5</u>
<u>11:29</u>	<u>7.31</u>	<u>790</u>	<u>20.9</u>	<u>10</u>
<u>11:31</u>	<u>7.35</u>	<u>789</u>	<u>20.1</u>	<u>15</u>
<u>11:34</u>	<u>7.34</u>	<u>787</u>	<u>20.4</u>	<u>16</u>

Weather Conditions Partly cloudy clearingWater Color: Clear Odor: MildSediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-13</u>	<u>3x40ml VOA</u>	<u>4</u>	<u>HA</u>	<u>GTBL</u>	<u>Gas BTEX</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 8-4-95
 ADDRESS 21995 Foothill Blvd JOB # 5110.85
 CITY Hayward CA SS# 9-0260

Well ID MW-4 Well Condition okay
 Well Location Description off site down Rwy SW of Site
 Well Diameter 42" in Hydrocarbon Thickness 0

Total Depth 41 ft
 Depth to Liquid 19.38 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.65		

of casing 3 x 21.62 x 0.17 x (VF) 3.7 #Estimated 11.0 gal.
 Volume

Purge Equipment Suction Sampling Equipment Bailer
 Did well dewater No If yes, Time _____ Volume _____

Starting Time 10:44 Purging Flow Rate _____ gpm.
 Sampling Time _____

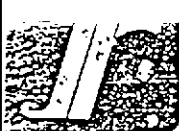
Time	pH	Conductivity	Temperature	Volume
<u>10:46</u>	<u>7.30</u>	<u>691</u>	<u>19.9</u>	<u>4</u>
<u>10:48</u>	<u>6.70</u>	<u>1205</u>	<u>19.9</u>	<u>8</u>
<u>10:50</u>	<u>6.68</u>	<u>1198</u>	<u>19.8</u>	<u>12</u>
<u>10:54</u>	<u>6.70</u>	<u>1199</u>	<u>19.7</u>	<u>13</u>

Weather Conditions Cloudy
 Water Color: cloudy Odor: None
 Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40ml</u>	<u>4</u>	<u>HA</u>	<u>CoTDL</u>	<u>Car BTR</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER

FICline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-15

Well Condition

okay

Well Location Description

offsite SW offsite on Oakview

Well Diameter

2"

in

Hydrocarbon Thickness

0

Total Depth

25'

ft

Depth to Liquid

14.91

ft

of casing 3X
Volume

10.09

x

0.17

x(VF)

3.4

#Estimated

10.2

gal.

Purge Equipment

Suction

Sampling Equipment

Bailer

Did well dewater

No

If yes, Time

Volume

Starting Time

10:22

Purging Flow Rate

2

gpm.

Sampling Time

Time

pH

Conductivity

Temperature

Volume

10:23

7.20

1063

19.7

2

10:24

7.05

1071

19.2

4

10:25

7.10

1074

19.3

6

10:30

7.08

1072

19.3

7

Weather Conditions

Cloudy

Water Color:

Reddish

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-15	3x40ml DCA	Y	HCL	GTBL	Cons Bipl

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER

F. Cline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

MW-16

Well Condition

OK

Well Location Description

outside on Rio Vista @ Dead End

Well Diameter

2" in

Hydrocarbon Thickness

0

Total Depth

33.85 ft

Depth to Liquid

19.30 ft

of casing
Volume

3x 14.55

x

0.17

x(VF)

2.5

#Estimated

7.4

gal.

Purge Equipment

Suction

Sampling Equipment

Bailer

Did well dewater

If yes, Time

Volume

Starting Time

9:59

Purging Flow Rate

2.5

gpm.

Sampling Time

10:05

Time

pH

Conductivity

Temperature

Volume

1000

7.26

86.9

19.0

2.5

1001

7.26

86.2

18.8

5.0

1002

7.30

86.0

18.8

7.5

1003

7.28

86.2

18.8

8.0

Weather Conditions

Cloudy

Water Color:

Grey

Odor:

Mild

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-16	3x40ml	Y	HC	GTBL	Cons BGR

Comments



WELL SAMPLING FIELD DATA SHEET

SAMPLER

Ficline

DATE

8-4-95

ADDRESS

21995 Foothill Blvd

JOB #

5110.85

CITY

Hayward CA

SS#

9-0260

Well ID

AW-17

Well Condition

okay

Well Location Description

Main & Sunset

off side

Well Diameter

2"

in

Hydrocarbon Thickness

Total Depth

33.51

ft

Depth to Liquid

22.37

ft

Volume

2" = 0.17

6" = 1.50

12" = 5.80

Factor

3" = 0.38

(VF)

4" = 0.66

of casing
Volume

3x

11.14

x

0.17

x(VF)

1.9

#Estimated

5.6

gal.

Purge Equipment

Suction

Sampling Equipment

Bailer

purge
Volume

Did well dewater

No

If yes, Time

Volume

Starting Time

9:08

Purging Flow Rate

1

gpm.

Sampling Time

Time

9:10

pH

7.04

Conductivity

285

Temperature

19.6

Volume

2

9:12

7.30

1085

19.4

4

9:14

7.28

1088

19.3

6

9:16

7.28

1085

19.4

7

Weather Conditions

cloudy

Water Color:

clear

Odor:

None

Sediment Description

None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
AW-17	3x40ml VOA	Y	WEL	GTBL	One Bx

Comments

☐ Yes
☐ No

/

Chevron Facility Number 9-026C
Facility Address 21995 Fairhill Blvd Hayward
Consultant Project Number 5110.5110.85
Consultant Name Gettler-Ryan
Address 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name) Argy Leyton
(Phone) 510 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) Mark Miller
(Phone) 842
Laboratory Name GTBL
Laboratory Release Number 88 29260
Samples Collected by (Name) Frank Cline
Collection Date 8-9-95
Signature [Signature]

DO NOT BILL
TB-LB ANALYSIS

Remarks

Analyse

ms 8/18/95

5°C

C5080093

Turn Around Time (Circle Choice)

Date/Time

Date/Time
8/8/95
08:00

10 Days

As Contracted



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

August 21, 1995

Argy Leyton
Gettler-Ryan, Inc.
6747 Sierra Ct., Ste J
Dublin, CA 94568

RE: GTEL Client ID:	GTR01CHV08
Login Number:	C5080093
Project ID (number):	5110.85
Project ID (name):	Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

Dear Argy Leyton:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 08/07/95.

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

GTEL is certified by the Department of Health Service under Certification Number E1075.

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

Sincerely,
GTEL Environmental Laboratories, Inc.

for
Chip Poalinelli
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
 Login Number: C5080093
 Project ID (number): 5110.85
 Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

Method: EPA8020/15
 Matrix: Aqueous

GTEL Sample Number	C5080093-01	C5080093-02	C5080093-03	C5080093-04
Client ID	TB-LB	MW-17	MW-16	MW-15
Date Sampled	08/04/95	08/04/95	08/04/95	08/04/95
Date Analyzed	08/13/95	08/13/95	08/15/95	08/14/95
Dilution Factor	1.00	1.00	25.0	1.00

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	< 0.5	6200	0.6
Toluene	0.5	ug/L	< 0.5	< 0.5	1900	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	1500	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	4500	0.8
TPH as GAS	50	ug/L	< 50	< 50	23000	< 50
BFB (Surrogate)	--	%	104	103	112	112

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: C5080093
Project ID (number): 5110.85
Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

Method: EPA8020/15
Matrix: Aqueous

GTEL Sample Number	C5080093-05	C5080093-06	C5080093-07	C5080093-08
Client ID	MW-14	MW-13	MW-9	MW-6
Date Sampled	08/04/95	08/04/95	08/04/95	08/04/95
Date Analyzed	08/13/95	08/15/95	08/15/95	08/16/95
Dilution Factor	1.00	100.	25.0	25.0

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	170	7700	1400	8600
Toluene	0.5	ug/L	58.	10000	2700	1400
Ethylbenzene	0.5	ug/L	6.6	2900	1700	1900
Xylenes (total)	0.5	ug/L	20.	10000	9000	7800
TPH as GAS	50.	ug/L	1000	47000	42000	51000
BFB (Surrogate)	--	%	109.	108.	114.	86.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
 Login Number: C5080093
 Project ID (number): 5110.85
 Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

Method: EPA8020/15
 Matrix: Aqueous

GTEL Sample Number	C5080093-09	C5080093-10	--	--
Client ID	MW-11	MW-10	--	--
Date Sampled	08/04/95	08/04/95	--	--
Date Analyzed	08/15/95	08/14/95	--	--
Dilution Factor	25.0	1.00	--	--

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	9400	< 0.5	--	--
Toluene	0.5	ug/L	3000	< 0.5	--	--
Ethylbenzene	0.5	ug/L	1800	< 0.5	--	--
Xylenes (total)	0.5	ug/L	6100	< 0.5	--	--
TPH as GAS	50	ug/L	33000	< 50	--	--
BFB (Surrogate)	--	%	113.	109.	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA8020/15:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". SW-846, Third Edition including promulgated Update 1. Acceptability limits for recovery in the Bromofluorobenzene (BFB) surrogate is 62-129%. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual protocols, May 1988 revision.

GTEL Client ID: GTR01CHV08
Login Number: C5080093
Project ID (number): 5110.85
Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA8020/15
Matrix: Aqueous

Laboratory Control Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits
				Recovery
EPA8020/15	Units:ug/L	QC Batch:G081595-2		
Benzene	20.0	8.38	41.9*	71.5-121%
Toluene	20.0	0.00	0.00*	72.4-124%
Ethylbenzene	20.0	45.2	226.*	73.3-124%
Xylenes (Total)	60.0	28.7	47.8*	71.9-130%

Notes:

GTEL Concord, CA
C5080093:2



GTEL Client ID: GTR01CHV08
 Login Number: C5080093
 Project ID (number): 5110.85
 Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

QUALITY CONTROL RESULTS

Volatile Organics
 Method: EPA8020/15
 Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike Concentration	Matrix Spike Recovery, %	Matrix Spike Duplicate Concentration	Matrix Spike Duplicate Recovery, %	RPD, %	Acceptability Limits RPD, % Recovery, %	
EPA8020/15	GTEL Sample ID: C5080073-04		Spike ID: G081595-3		Dup. ID: G081595-4				
Units: ug/L	Analysis Date: 10-AUG-95		16-AUG-95		16-AUG-95			Client ID: Batch QC	
Benzene	< 0.50	20.0	8.31	41.6*	8.31	41.6*	0	34	57.3-138%
Toluene	< 0.50	20.0	0.00	0.00*	0.00	0.00*	0	31	63-134%
Ethylbenzene	< 0.50	20.0	52.8	264.*	52.8	264.*	0	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	34.2	57.0*	34.2	57.0*	0	31	59.3-144%

Notes:

GTEL Client ID: GTR01CHV08
Login Number: C5080093
Project ID (number): 5110.85
Project ID (name): Chevron/#9-0260/21995 Foothill Blvd., Hayward, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA8020/15
Matrix: Aqueous

Method Blank Results

QC Batch No: G081595-1
Date Analyzed: 15-AUG-95

Analyte	Method: EPA8020/15	Concentration: ug/L
Benzene	< 0.30	
Toluene	< 0.30	
Ethylbenzene	< 0.30	
Xylenes (Total)	< 0.50	
TPH as Gasoline	< 50.0	

Notes:

Client Number: GTR01CHV08
Project ID: Chevron
#9-0260
21995 Foothill Blvd.
Hayward, CA
Login Number: C5-08-0093

CONFORMANCE/NONCONFORMANCE SUMMARY

(X = Requirements Met * = See Comments NA = Not Applicable)

#	Conformance Item	VOA GC/MS	VOA GC	SV GC/MS	SV GC	Metals	Wet Chem
1	GC/MS Tune		NA		NA	NA	NA
2	Initial Calibration		X				
3	Continuing Calibration		X				
4	Surrogate Recovery		X			NA	NA
5	Holding Time		X				
6	Method Accuracy		X				
7	Method Precision		X				

8 Blank Contamination - List/ND (None Detected)/*(See Comments)

VOA:

SV:

Metals:

Wet Chem:

9 Comments: