ENVIRONMENTAL PROTECTION
97 APR 22 PM 0:42

Chevron

April 20, 1997

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing – Sales West
Phone 510 842-9500

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

Re: Chevron Service Station #9-2506
2630 Broadway Site 10459
Oakland, California 94612

Dear Ms. Eberle:

Enclosed is the First Quarter (Semi-Annual) Groundwater Monitoring Report for 1997, prepared by our consultant Gettler-Ryan , Inc. for the above noted facility. Ground water samples were analyzed for TPH-g, BTEX, and MtBE. As previously agreed, sampling for monitoring wells B-2 and B-4 have been suspended.

Dissolved concentrations of BTEX constituents were below method detection limits in monitoring wells B-10, B-11 and B-12. Well B-8 was not sampled due to access restriction by a fence surrounding the restaurant, which is closed. Monitoring wells B-1, B-5, B-6, B-7 and B-9 showed an increase in the benzene constituent from the previous sampling event. Well B-3 showed a decrease of the benzene constituent from the previous sampling event.

Depth to ground water varied from 13.17 to 17.64 feet below grade, with a direction of flow northwesterly.

Chevron is still planing to reconstruct this site late 1997, depending on permit approval, however, there has been some public concern expressed to the City of Oakland, on the closer of the restaurant that could hold up issuing the building permit.

As previously noted the sampling frequency is biannually and the next sampling event is scheduled in September. If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

ENVIRONMENTAL PROTECTION
97 APR 22 PM 2:42

GETTLER-RYAN INC.

April 10, 1997

Job #5203.80

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

Re: Semi-Annual Groundwater Monitoring & Sampling Report
Chevron Service Station #9-2506
2630 Broadway
Oakland, California

Dear Mr. Briggs:

This report documents the semi-annual groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On March 6, 1997, field personnel were on-site to monitor and sample nine wells (B-1, B-3, B-5 through B-7, and B-9 through B-12) at Chevron Service Station #9-2506 located at 2630 Broadway in Oakland, California. One well, B-8, was not accessible.

Static groundwater levels were measured on March 6, 1997. 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. A potentiometric map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are attached.

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

Sincerely,

Deanna L. Harding
Project Coordinator

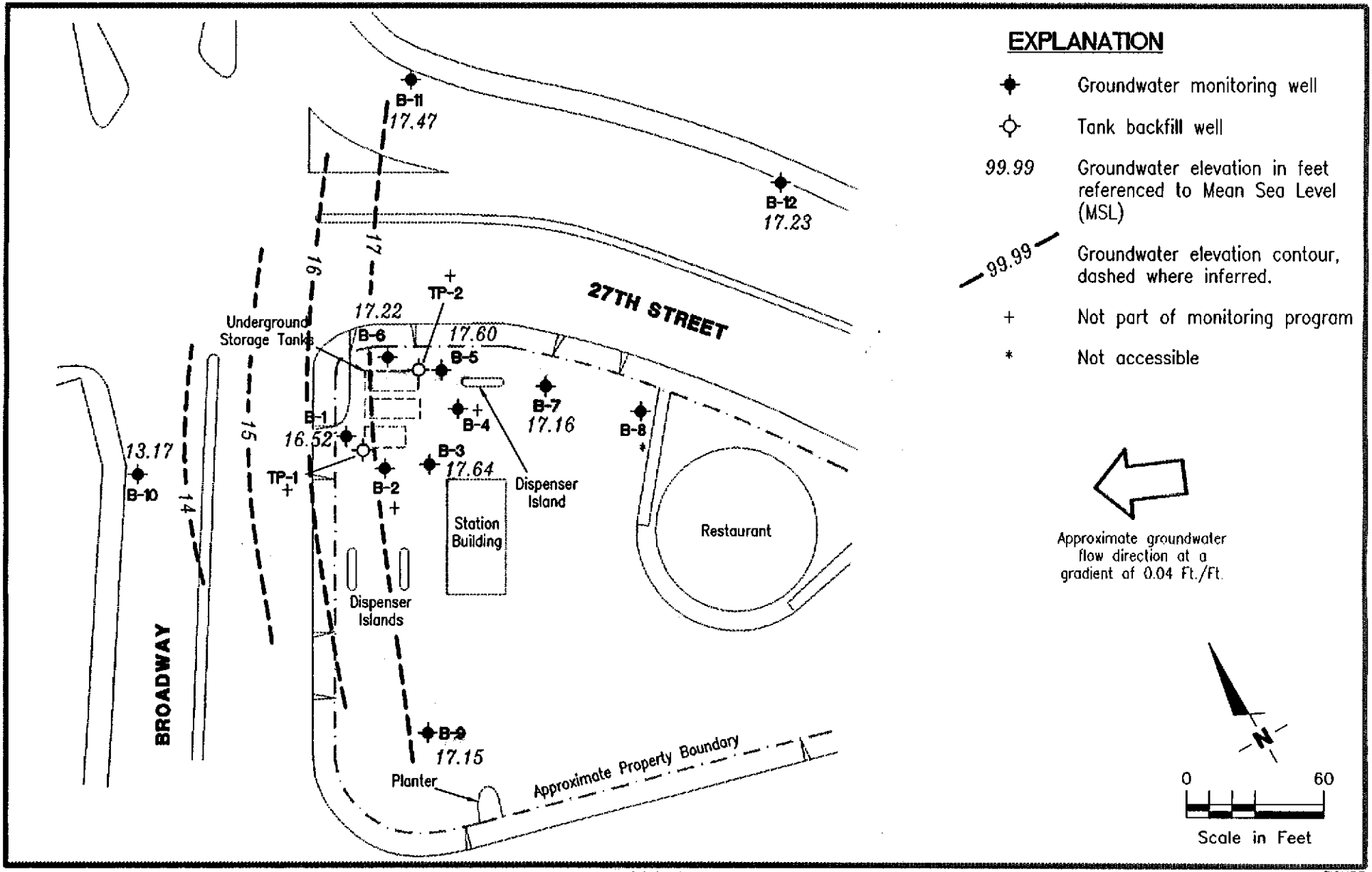
Stephen J. Carter
Senior Geologist, R.G. No. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

DLH/SJC/dlh
5203.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

6747 Sierra Court, Suite J • Dublin, California 94568 • (510) 551-7555



Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

POTENTIOMETRIC MAP
Chevron Service Station No. 9-2506
2630 Broadway
Oakland, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5203		March 6, 1997	

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<———		ppb		———>
B-1/										
23.00[1]	3/18/82	7.81	15.19	0	—	—	—	—	—	—
	3/25/82	8.67	14.33	0	—	—	—	—	—	—
	5/21/82	9.30	13.70	0	—	—	—	—	—	—
	5/26/82	10.18	12.82	0	—	—	—	—	—	—
	6/24/82	9.92	13.08	0	—	—	—	—	—	—
	9/9/93	9.90	13.10	0	8,800[2]	240	280	<2.5	<7.5	—
	12/2/93	9.10	13.90	0	1,100	100	7.9	3.4	3.9	—
	3/17/94	9.41	13.59	0	1,600	370	13	13	26	—
	6/10/94	9.89	13.11	0	1,400	270	24	18	78	—
	9/15/94	11.24	11.76	0	4,100	740	<5	270	300	—
25.67[3]	12/28/94	9.25	16.42	0	1,200	200	32	37	79	—
	3/29/95	8.32	17.35	0	13,000	540	54	77	120	—
	6/5/95	9.72	15.95	0	3,000	610	<25	<25	<25	—
	9/21/95	10.92	14.75	0	630[4]	5.4	<0.5	1.3	6.1	—
	12/22/95	10.14	15.53	0	<50	<0.50	<0.50	<0.50	<0.50	40,000
	3/22/96	8.83	16.84	0	<1,200[11]	150	<12	<12	<12	32,000
	9/25/96	10.80	14.87	0	28,000[12]	19	<12	<12	<12	38,000
	3/6/97	9.15	16.52	0	<5,000[14]	52	<50	<50	<50	18,000
B-2/										
22.28[1]	3/18/82	3.83	18.45	0	—	—	—	—	—	—
	3/25/82	5.79	16.49	0	—	—	—	—	—	—
	5/21/82	4.85	17.43	0	—	—	—	—	—	—
	5/26/82	8.53	13.75	0	—	—	—	—	—	—
	6/24/82	8.40	13.88	0	—	—	—	—	—	—
	9/9/93	6.46	15.82	0	4,700	470	630	180	590	—
	12/2/93	5.41	16.87	0	2,200	59	27	110	350	—
	3/17/94	7.44	14.84	0	1,800	52	33	97	320	—
	6/10/94	8.15	14.13	0	1,200	37	48	20	93	—
	9/15/94	10.00	12.28	0	4,900	710	12	340	450	—
25.13[3]	12/28/94	7.32	17.81	0	2,600	63	49	56	370	—
	3/29/95[5]	—	—	—	—	—	—	—	—	—
B-3/										
21.78[1]	3/18/82	5.65	16.13	0	—	—	—	—	—	—
	3/25/82	5.75	16.03	0	—	—	—	—	—	—
	5/21/82	5.58	16.20	0	—	—	—	—	—	—
	5/26/82	7.99	13.79	0	—	—	—	—	—	—
	6/24/82	7.68	14.10	0	—	—	—	—	—	—
	9/9/93	5.99	15.79	0	7,800	500	760	180	720	—
	12/2/93	5.70	16.08	0	9,800	790	870	380	1,500	—
	3/17/94	6.50	15.28	0	2,400	88	55	74	270	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<		ppb		>
B-3	6/10/94	7.23	14.55	0	2,300	110	95	84	240	—
(cont)	9/15/94	9.16	12.62	0	5,000	670	9.3	340	410	—
24.35[3]	12/28/94	6.44	17.91	0	4,100	650	34	320	440	—
	3/29/95	5.47	18.88	0	3,300	170	2.2	51	8.9	—
	6/5/95	7.05	17.30	0	2,500	850	31	170	85	—
	9/21/95	8.92	15.43	0	2,900[7]	1,300	280	140	100	—
	12/22/95	8.53	15.82	0	5,400[9]	340	37	150	460	8,600
	3/22/96	5.98	18.37	0	2,200	79	50	58	200	1,600
	9/25/96	9.02	15.33	0	11,000	530	97	74	400	7,200
	3/6/97	6.71	17.64	0	<500[16]	20	<5.0	<5.0	<5.0	420
B-4/										
21.35[1]	3/18/82	4.65	16.70	0	—	—	—	—	—	—
	3/25/82	5.08	16.27	0	—	—	—	—	—	—
	5/21/82	—	—	2.5	—	—	—	—	—	—
	5/26/82	9.21	12.14	—	—	—	—	—	—	—
	6/24/82	8.22	13.13	0.5	—	—	—	—	—	—
	9/9/93	6.09	15.26	0	88,000	3,200	16,000	2,000	9,500	—
	12/2/93	5.54	15.81	0	110,000	3,600	25,000	2,800	15,000	—
	3/17/94	6.00	15.35	0	60,000	1,400	16,000	1,800	8,900	—
	6/10/94	6.87	14.48	0	25,000	770	880	190	1,100	—
	9/15/94	8.74	12.61	0	3,300	800	8.0	300	350	—
24.11[5]	12/28/94	5.74	18.37	0	17,000	400	4,000	630	2,900	—
	3/29/95[5]	—	—	—	—	—	—	—	—	—
B-5/										
21.53[1]	3/18/82	5.13	16.40	0	—	—	—	—	—	—
	3/25/82	5.27	16.26	0	—	—	—	—	—	—
	5/21/82	4.40	17.13	0	—	—	—	—	—	—
	5/26/82	7.55	13.98	0	—	—	—	—	—	—
	6/24/82	7.27	14.26	0	—	—	—	—	—	—
	9/9/93	6.45	15.08	0	110,000	1,800	1,800	6,300	25,000	—
	12/2/93	5.13	16.40	0	81,000	4,400	3,800	6,700	28,000	—
	3/17/94	6.55	14.98	0	38,000	2,100	3,100	1,800	9,100	—
	6/10/94	7.34	14.19	0	110,000	5,100	7,000	5,400	27,000	—
	9/15/94	6.34	15.19	0	2,700	770	15	240	320	—
24.23[3]	12/28/94	6.55	17.68	0	94,000	4,600	10,000	4,400	19,000	—
	3/29/95	5.59	18.64	0	59,000	1,500	3,100	2,100	8,100	—
	6/5/95	7.19	17.04	0	58,000	2,300	4,300	2,600	11,000	—
	9/21/95	9.10	15.13	0	3,500[6]	300	30	260	330	—
	12/22/95	8.61	15.62	0	6,500[9]	370	120	400	870	5,500
	3/22/96	6.02	18.21	0	13,000	410	1,000	750	2,900	5,400

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<——— ppb ——— >				
B-5 (cont)	9/25/96	9.20	15.03	0	8,000	170	<5.0	140	110	7,200
	3/6/97	6.63	17.60	0	60,000	630	320	2,300	9,500	4,700
B-6/ 22.03[1]	3/18/82	7.56	14.47	0	—	—	—	—	—	—
	3/25/82	6.08	15.95	0	—	—	—	—	—	—
	5/21/82	4.85	17.18	0	—	—	—	—	—	—
	5/26/82	8.31	13.72	0	—	—	—	—	—	—
	6/24/82	8.03	14.00	0	—	—	—	—	—	—
	9/9/93	8.12	13.91	0	6,800[2]	<0.5	<0.5	<0.5	<1.5	—
	12/2/93	7.06	14.97	0	320	29	<0.5	<0.5	<0.5	—
	3/17/94	7.57	14.46	0	570	130	6.2	4.7	14	—
	6/10/94	8.21	13.82	0	1,500	100	81	51	240	—
	9/15/94	9.94	12.09	0	6,400	900	24	490	620	—
24.72[3]	12/28/94	7.45	17.27	0	350	110	4.4	3.7	14	—
	3/29/95	6.40	18.32	0	3,300	46	<0.5	1.3	1.2	—
	6/5/95	8.07	16.65	0	230	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	9.55	15.17	0	<50[6]	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	8.91	15.81	0	<50	<0.50	<0.50	<0.50	<0.50	15,000
	3/22/96	6.94	17.78	0	<1,200[10]	<12	<12	<12	<12	18,000
	9/25/96	9.63	15.09	0	15,000[12]	<10	<10	<10	<10	20,000
	3/6/97	7.50	17.22	0	<5,000[14]	<50	<50	<50	<50	18,000
B-7/ 19.54[1]	3/18/82	4.08	15.46	0	—	—	—	—	—	—
	3/25/82	4.00	15.54	0	—	—	—	—	—	—
	5/21/82	3.00	16.54	0	—	—	—	—	—	—
	5/26/82	4.96	14.58	0	—	—	—	—	—	—
	6/24/82	4.90	14.64	0	—	—	—	—	—	—
	9/9/93	6.54	13.00	0	230	1.3	2.3	0.6	2.1	—
	12/2/93	6.20	13.34	0	190	4.7	<0.5	1.1	1.9	—
	3/17/94	5.19	14.35	0	320	15	3.3	1.0	3.0	—
	6/10/94	5.97	13.57	0	210	6.1	5.7	2.3	5.8	—
	9/15/94	7.78	11.76	0	<50	<0.5	<0.5	<0.5	<0.5	—
22.22[3]	12/28/94	5.04	17.18	0	520	17	4.8	2.5	2.1	—
	3/29/95	4.35	17.87	0	420	6.0	2.3	1.8	0.9	—
	6/5/95	5.79	16.43	0	65	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	7.55	14.67	0	<50[6]	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	9.16	13.06	0	<50	<0.50	<0.50	<0.50	<0.50	930
	3/22/96	4.60	17.62	0	300	1.0	0.5	<0.5	0.6	280
	9/25/96	7.98	14.24	0	310[12]	<0.5	0.6	<0.5	0.8	420
	3/6/97	5.06	17.16	0	1,200	9.0	<0.5	<0.5	2.9	1,000

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<-------------------------------------ppb------------------------------------->				
B-8/										
18.49[1]	3/18/82	4.27	14.22	0	—	—	—	—	—	—
	3/25/82	4.06	14.43	0	—	—	—	—	—	—
	5/21/82	4.86	13.63	0	—	—	—	—	—	—
	5/26/82	4.96	13.53	0	—	—	—	—	—	—
	6/24/82	4.87	13.62	0	—	—	—	—	—	—
	9/9/93	5.20	13.29	0	<50	3.4	<0.5	<0.5	<1.5	—
	12/2/93	5.31	13.18	0	<50	<0.5	<0.5	<0.5	<0.5	—
	3/17/94	4.87	13.62	0	<50	1.7	0.5	<0.5	0.6	—
	6/10/94	5.63	12.86	0	<50	<0.5	<0.5	<0.5	<0.5	—
	9/15/94	7.10	11.39	0	<50	<0.5	<0.5	<0.5	<0.5	—
21.01[3]	12/28/94	4.63	16.38	0	<50	<0.5	<0.5	<0.5	<0.5	—
	3/29/95	4.20	16.81	0	<50	<0.5	<0.5	<0.5	<0.5	—
	6/5/95	5.18	15.83	0	<50	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	6.80	14.21	0	<50[6]	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	6.48	14.53	0	<50	<0.50	<0.50	<0.50	<0.50	190
	3/22/96	4.49	16.52	0	<50	<0.5	<0.5	<0.5	<0.5	86
	9/25/96	7.18	13.83	0	90[12]	<0.5	<0.5	<0.5	1.0	110
	3/6/97[13]	—	—	—	—	—	—	—	—	—
B-9/[4]	8/4/94	11.53	14.08	—	650	4.4	2.4	6.3	14	—
	11/2/94	9.42	16.19	—	—	—	—	—	—	—
25.61[3]	12/28/94	8.35	17.26	0	2,400	290	8.4	90	36	—
	3/29/95	7.43	18.18	0	5,900	540	24	200	84	—
	6/5/95	8.47	17.14	0	3,000	130	<25	<25	<25	—
	9/21/95	8.99	16.62	0	240[8]	1,500	14	62	55	—
	12/22/95	9.20	16.41	0	1,800	170	6.6	59	20	<6.0
	3/22/96	7.84	17.77	0	2,400	230	6.2	77	9.7	9.2
	9/25/96	9.24	16.37	0	1,800	28	4.7	39	13	56
	3/6/97	8.46	17.15	0	3,400	68	3.3	45	18	47
B-10/[4]	8/4/94	10.95	12.20	—	<50	<0.5	<0.5	<0.5	<0.5	—
	11/2/94	11.19	11.96	—	—	—	—	—	—	—
23.15[3]	12/28/94	10.30	12.85	0	<50	<0.5	<0.5	<0.5	<0.5	—
	3/29/95	9.68	13.47	0	<50	<0.5	<0.5	<0.5	<0.5	—
	6/5/95	10.59	12.56	0	<50	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	10.87	12.28	0	<50	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	10.41	12.74	0	<50	<0.50	<0.50	<0.50	<0.50	<0.60
	3/22/96	10.11	13.04	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/25/96	10.15	13.00	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/6/97	9.98	13.17	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<——————————ppb——————————>				
B-11/[4]	8/4/94	10.39	14.84	—	<50	<0.5	<0.5	<0.5	<0.5	—
	11/2/94	11.50	13.73	—	—	—	—	—	—	—
25.23[3]	12/28/94	9.09	16.14	0	<50	<0.5	<0.5	<0.5	<0.5	—
	3/29/95	7.40	17.83	0	<50	<0.5	<0.5	<0.5	<0.5	—
	6/5/95	8.26	16.97	0	<50	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	9.79	15.44	0	<50	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	9.55	15.68	0	<50	<0.50	<0.50	<0.50	<0.50	<0.60
	3/22/96	7.35	17.88	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/25/96	10.21	15.02	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/6/97	**7.76**	**17.47**	**0**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**
B-12/[4]	8/4/94	6.41	13.99	—	<50	<0.5	<0.5	<0.5	<0.5	—
	11/2/94	8.75	11.65	—	—	—	—	—	—	—
20.40[3]	12/28/94	2.76	17.64	0	74	1.0	2.6	1.3	4.4	—
	3/29/95	2.46	17.94	0	210	<0.5	<0.5	0.7	1.6	—
	6/5/95	4.59	15.81	0	<50	<0.5	<0.5	<0.5	0.7	—
	9/21/95	7.36	13.04	0	<50	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	3.96	16.44	0	140[9]	<0.50	<0.50	<0.50	0.93	<0.60
	3/22/96	2.92	17.48	0	150	<0.5	0.8	<0.5	2.0	<5.0
	9/25/96	7.84	12.56	0	90	<0.5	<0.5	<0.5	<0.5	<5.0
	3/6/97	**3.17**	**17.23**	**0**	**270[12]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**
TP-1/										
—	9/9/93	7.33	—	0	8,500	770	890	120	590	—
TP-2/										
—	9/9/93	6.18	—	0	13,000	2,400	3,200	380	1,900	—
Trip-Lab Blank										
TB-LB	9/9/93	—	—	—	<50	<0.5	<0.5	<0.5	<1.5	—
	12/2/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/17/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	6/10/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/15/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/28/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
TB-LB	3/29/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—(cont)
	6/5/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/21/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/22/95	—	—	—	<50	<0.50	<0.50	<0.50	<0.50	<0.60
	3/22/96	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/25/96	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/6/97	**—**	**—**	**—**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
						<-------------------------------------ppb------------------------------------->				
Bailer Blank										
BB	9/9/93	—	—	—	<50	<0.5	<0.5	<0.5	<1.5	—
	12/2/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/17/94	—	—	—	<50	<0.5	<0.5	<0.5	0.6	—

Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-2506, 2630 Broadway, Oakland, California (continued)

EXPLANATION:

TOC = Top of casing elevation
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl-tertiary-butyl ether
ppb = Parts per billion
— = Not analyzed/Not applicable

ANALYTICAL METHODS:

EPA Method 8015/5030 for TPH(G)
EPA Method 8020 for BTEX & MTBE

NOTES:

Water level data and laboratory analytical results prior to March 29, 1995, compiled from the quarterly monitoring reports prepared for Chevron by Sierra Environmental Services.

* Product thickness was measured on and after September 9, 1993, with an MMC flexi-dip interface probe.

1 Top of casing elevations were compiled from IT Enviroscience Program Report, August 2, 1982. TOC for MW-1 was assumed to be 23 feet MSL.
2 Laboratory indicates a non-typical gasoline pattern.
3 Wells were resurveyed. Top of casing elevations were compiled from RESNA Subsurface Investigation Report, October 19, 1994.
4 *Water level and analytic data prior* to 12/28/94 from RESNA Subsurface Investigation Report, October 19, 1994.
5 Well removed from monitoring program January 11, 1995, per approval of Alameda County Health Services.
6 Laboratory report indicates uncategorized compounds are not included in gasoline concentration.
7 Laboratory report indicates uncategorized compounds are not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.
8 BFB recovery high due to interference of hydrocarbons.
9 Laboratory report indicates gasoline and discrete peaks.
10 Laboratory report indicates hydrocarbons in the gasoline range do not match the gasoline standard pattern. The TPH as gasoline value was 4,200 ug/L which was attributed to the presence of MTBE.
11 Laboratory report indicates hydrocarbons in the gasoline range do not match the gasoline standard pattern. The TPH as gasoline value was 9,600 ug/L which was attributed to the presence of MTBE.
12 Laboratory report indicates hydrocarbons in the gasoline range do not match the gasoline standard pattern.
13 Well was inaccessible.
14 Laboratory report indicates the TPH as Gasoline value was 22,000 ug/L which was attributed to the presence of a single target analyte.
15 Laboratory report indicates the TPH as Gasoline value was 21,000 ug/L which was attributed to the presence of a single target analyte.
16 Laboratory report indicates the TPH as Gasoline value was 770 ug/L which was attributed to the presence of a single target analyte.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

WELL SAMPLING FIELD DATA SHEET

SAMPLER: R. Clive | DATE: 3-6-97

ADDRESS: 2630 Broadway | JOB #: 5203

CITY: Oakland CA | SS#: 9.2506

Well ID: B-1 | Well Condition: OK

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness:

Total Depth: 29' ft

Depth to Liquid: 9.15 ft

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

# of casing Volume: 3x | 19.85 x 0.17 x(VF) = #Estimated purge Volume: 10.1 gal.

Purge Equipment: Bailer Stack Suction | Sampling Equipment: Bailer

Did well dewater: Yes | If yes, Time: 10:14 | Volume: 7

Starting Time: 10:08 | Purging Flow Rate: 1.5-2.5 gpm.

Sampling Time: 10:35

Time	pH	Conductivity	Temperature	Volume
10:08	6.38	626	20.5	1
10:10	6.40	646	20.5	4
10:14	6.43	665	20.0	7
10:35	6.45	665	20.6	Sample

Weather Conditions: Clear Cool to warming

Water Color: brown/gray | Odor: hydrocarbon

Sediment Description: Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-1	3x40ml VOA	Y	HCl	GTEL	8015 BTEX w/ MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER R. Clive DATE 3-6-97

ADDRESS 2630 Broadway JOB # 5203

CITY Oakland CA SS# 9.2506

Well ID B-3 Well Condition Clay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness C

Total Depth 19' ft

Depth to Liquid 6.71 ft

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

# of casing Volume 3x ~~12.29~~ 7.79 x 0.17 x(VF) 2.1 1.0 #Estimated purge Volume 6.3 $ 7 gal.

Purge Equipment Bailer Stack Suction Sampling Equipment Bailer

Did well dewater ____ If yes, Time ____ Volume ____

Starting Time 10:23 Purging Flow Rate ____ gpm.

Sampling Time 1030

Time	pH	Conductivity	Temperature	Volume
1124	7.23	2016	17.6	2 1.2
1127	7.11	214	18.0	3 2.4
1130	7.13	217	18.8	4 3.6

Weather Conditions Clear Cool to warming

Water Color: Brown/Grey Odor: None

Sediment Description Light silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-3	3x40ml VOA	Y	HCl	GTEL	8015/8020 w/MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER R. Clive DATE 3-6-97

ADDRESS 2630 Broadway JOB # 5203

CITY Oakland CA SS# 9.2506

Well ID B-5 Well Condition

Well Location Description Okay

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 19' ft

Depth to Liquid 6.63 ft

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

# of casing Volume 3x 12.37 x 0.17 x(VF) 2.1 #Estimated purge Volume 6.3 gal.

Purge Equipment Bailer Stack Sample Sampling Equipment Bailer

Did well dewater — If yes, Time — Volume

Starting Time 1005 Purging Flow Rate gpm.

Sampling Time 1014

Time	pH	Conductivity	Temperature	Volume
1008	7.18	154	18.4	2
1011	7.13	160	18.3	4
1014	7.12	162	18.2	6

Weather Conditions Clear Cool to warming

Water Color: Grey/Brown Odor: Mild

Sediment Description Light Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-5	3x40ml VOA	Y	HCl	GTEL	8260 BTEX & MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: R. Clive | DATE: 3-6-97

ADDRESS: 2630 Broadway | JOB #: 5203

CITY: Oakland CA | SS#: 9.2506

Well ID: B-6 | Well Condition: OK

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: —

Total Depth: 19' ft

Depth to Liquid: 7.50 ft

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

# of casing Volume: 3x 11.50 x 0.17 x(VF) = #Estimated purge Volume: 5.9 gal.

Purge Equipment: Bailer Stack Sacrificial | Sampling Equipment: Bailer

Did well dewater: Yes | If yes, Time: 10:01 | Volume: 3

Starting Time: 10:00 | Purging Flow Rate: gpm.

Sampling Time: 10:30

Time	pH	Conductivity	Temperature	Volume
10:00	6.65	915	20.5	1
10:30	6.45	763	19.5	Sample

Weather Conditions: Clear Cool to warming

Water Color: Brown | Odor: Hydrocarbon

Sediment Description: Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-	3x40ml VOA	Y	HCl	CTKL	8015 BTXE w/ MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER R. Clute DATE 3-6-97

ADDRESS 2630 Broadway JOB # 5203

CITY Oakland CA SS# 9.2506

Well ID B-7 Well Condition okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 19' ft

Depth to Liquid 5.06 ft

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

# of casing Volume 3x 13.94 x 0.17 x(VF) 2.4 #Estimated purge Volume 7.1 gal.

Purge Equipment Bailer Stack Sacrion Sampling Equipment Bailer

Did well dewater — If yes, Time — Volume

Starting Time 9:44 Purging Flow Rate gpm.

Sampling Time 9:53

Time	pH	Conductivity	Temperature	Volume
9:47	6.94	151	20.4	2.8
9:50	7.05	150	20.3	4.6
9:53	7.06	154	20.4	8.4

Weather Conditions Clear Cool to warming

Water Color: Brown Odor: Mild

Sediment Description Light ~~SH~~ SH

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-7	3x40ml VOA	Y	HCl	CTEL	8015 BTEX w MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER R Clute DATE 3-6-97

ADDRESS 2630 Broadway JOB # 5203

CITY Oakland CA SS# 9.2506

Well ID B-8 Well Condition

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness

Total Depth 18 ft

Depth to Liquid ft

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

# of casing Volume 3x x 0.17 x(VF) = #Estimated purge Volume gal.

Purge Equipment Bailer Stuck Suction Sampling Equipment Bailer

Did well dewater If yes, Time Volume

Starting Time Purging Flow Rate gpm.

Sampling Time

Time	pH	Conductivity	Temperature	Volume
	Waste access due to Power around restaurant			

Weather Conditions Clear Cool to warming

Water Color: Odor:

Sediment Description

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-	3x40ml VOA	Y	HCl	CTEL	8015 BTEX w MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: E. Cline | DATE: 3-6-97

ADDRESS: 2630 Broadway | JOB #: 5203

CITY: Oakland CA | SS#: 9.2506

Well ID: B-9 | Well Condition: OK

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness:

Total Depth: 19' ft

Depth to Liquid: 8.46 ft

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

# of casing Volume: 3x 10.54 x 0.17 x(VF) # Estimated purge Volume: 5.4 gal.

Purge Equipment: Bailer Stack Sampler | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: | Volume:

Starting Time: 9:37 | Purging Flow Rate: 2.5 gpm.

Sampling Time: 9:49

Time	pH	Conductivity	Temperature	Volume
9:37	6.33	1076	21.5	1
9:38	6.38	1033	22.4	3
9:39	6.42	1002	22.6	@ 4.5
9:40	6.41	996	22.5	6
9:49	6.59	974	22.6	Sample

Weather Conditions: Clear Cool to warming

Water Color: lt brown | Odor: —

Sediment Description: silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-9	3x40ml VOA	Y	HCl	CTL	(GAS/BTEX by M602

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER R. Clive DATE 3-6-97

ADDRESS 2630 Broadway JOB # 5203

CITY Oakland CA SS# 9.2506

Well ID B-10 Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 19' ft

Depth to Liquid 4.98 ft

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

# of casing Volume 3x 9.02 x 0.17 x(VF) 1.5 #Estimated purge Volume 4.5 gal.

Purge Equipment Bailer Stack Sample Sampling Equipment Bailer

Did well dewater ____ If yes, Time ____ Volume ____

Starting Time 840

Purging Flow Rate ____ gpm.

Sampling Time 848

Time	pH	Conductivity	Temperature	Volume
840	6.58	413	18.6	3
844	6.79	419	20.1	4.5
848	6.73	416	19.3	6

Weather Conditions Clear Cool to warming

Water Color: Brown Odor: None

Sediment Description Light Silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-10	3x40ml VOA	Y	HCl	CTEL	8260 BTEX & MTBE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: R. Olive | DATE: 3-6-97

ADDRESS: 2030 Broadway | JOB #: 5203

CITY: Oakland CA | SS#: 9.2506

Well ID: B-10 | Well Condition: Clay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 18' ft

Depth to Liquid: 7.76 ft

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

# of casing Volume: 3x | 10.24 | x 0.17 | x(VF) 1.9 | #Estimated purge Volume: 5.7 gal.

Purge Equipment: Bailer Suck Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: ___ | Volume:

Starting Time: 4:13

Sampling Time: 8:22

Purging Flow Rate: gpm.

Time	pH	Conductivity	Temperature	Volume
8:17	7.16	16.4	17.4	2
8:20	6.76	12.8	17.9	4
8:22	(6.85)	14.6	17.8	6

Weather Conditions: Clear (Cool) to warming

Water Color: Brown | Odor: None

Sediment Description: Light silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-11	3x40ml VOA	Y	HCl	CTEL	8015 BTEX & MTBE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: R. Cline | DATE: 3-6-97

ADDRESS: 2630 Broadway | JOB #: 5203

CITY: Oakland CA | SS#: 9.2506

Well ID: B-12 | Well Condition: okay

Well Location Description:

Well Diameter: 2" in | Hydrocarbon Thickness: 0

Total Depth: 18' ft

Depth to Liquid: 3.17 ft

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

# of casing Volume: 3x | 14.53 | x 0.17 | x(VF) 3.0 | #Estimated purge Volume: 7.5 gal.

Purge Equipment: Bailer Stack Suction | Sampling Equipment: Bailer

Did well dewater: No | If yes, Time: | Volume:

Starting Time: | Purging Flow Rate: gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
0926	6.82	144	17.1	2.6
928	6.87	145	18.1	5.2
9:31	6.83	146	18.3	7.8

Weather Conditions: Clear Cool to warming

Water Color: Brown | Odor: None

Sediment Description: Light silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-12	3x40ml VOA	Y	HCl	CTEL	8015 BTEX w/ MTBE

Comments:

Fax copy of Lab Report and COC to Chevron Contact. Chain of Custody Record

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

Chevron Facility Number #9-2506
Facility Address 2630 Broadway, Oakland, CA
Consultant Project Number 5203
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) 842-9136
Laboratory Name NEI/GTEL Service Code: ZZ02790
Laboratory Service Order # 9033193
Samples Collected by (Name) [illegible]
Collection Date 3-6-97
Signature [illegible]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS Remarks
TB-LB	1	2	W	TB	—	HCl	Y	X												
B-10	2	3		G	845															
B-11	3				855															
B-12	4				913															
B-7	5				933															
B-9	6				949															
B-5	7				1013															
B-6	8				1030															
B-3	9				1045															
B-1	10	7	W	G	1055	HCl	Y	X												

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	G-R Inc.	3-7-97 0810	D. Harding	G-R Inc.	3/7/97 8
D. Harding	G-R	3/7/97 11:15	John Weber	NEI/GTEL	3/7/97 11:15
John Weber	Nei/GTEL	3/7/97 16:30	Received For Laboratory By (Signature) [signature]		Date/Time 3/7/97 0850

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

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

March 14, 1997

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

RE: NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 03/08/97.

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

NEI/GTEL is certified by the California Department of Health Service under Certification Number 1845.

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

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Justin Ward, Project Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7030126-01	W7030126-02	W7030126-03	W7030126-04
Client ID	TB-LB	B-10	B-11	B-12
Date Sampled		03/06/97	03/06/97	03/06/97
Date Analyzed	03/13/97	03/13/97	03/13/97	03/13/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
BTEX (total)	--	ug/L	--	--	--	--
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	270

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

W7030126-04:

Hydrocarbons in the gasoline range do not match the gasoline standard pattern.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7030126-05	W7030126-06	W7030126-07	W7030126-08
Client ID	B-7	B-9	B-5	B-6
Date Sampled	03/06/97	03/06/97	03/06/97	03/06/97
Date Analyzed	03/13/97	03/13/97	03/13/97	03/13/97
Dilution Factor	1.00	1.00	25.0	100.

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	1000	47.	4700	18000
Benzene	0.5	ug/L	9.0	68.	630	< 50.
Toluene	0.5	ug/L	< 0.5	3.3	320	< 50.
Ethylbenzene	0.5	ug/L	< 0.5	45.	2300	< 50.
Xylenes (total)	0.5	ug/L	2.9	18.	9500	< 50.
BTEX (total)	--	ug/L	12.	130	13000	--
TPH as Gasoline	50	ug/L	1200	3400	60000	< 5000

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

W7030126-08:

The TPH as Gasoline value was 22000 ug/L which was attributed to the presence of a single target analyte.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

Method: EPA 8020A
Matrix: Aqueous

NEI/GTEL Sample Number	W7030126-09	W7030126-10	--	--
Client ID	B-3	B-1	--	--
Date Sampled	03/06/97	03/06/97	--	--
Date Analyzed	03/13/97	03/13/97	--	--
Dilution Factor	10.0	100.	--	--

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	420	18000	--	--
Benzene	0.5	ug/L	20.	52.	--	--
Toluene	0.5	ug/L	< 5.0	< 50.	--	--
Ethylbenzene	0.5	ug/L	< 5.0	< 50.	--	--
Xylenes (total)	0.5	ug/L	< 5.0	< 50.	--	--
BTEX (total)	--	ug/L	20.	52.	--	--
TPH as Gasoline	50	ug/L	< 500	< 5000	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

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

W7030126-09:

The TPH as Gasoline value was 770 ug/L which was attributed to the presence of a single target analyte.

W7030126-10:

The TPH as Gasoline value was 21000 ug/L which was attributed to the presence of a single target analyte.

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Conformance/Non-Conformance Summary

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

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	X	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A		Acceptability Limits:	43-136%
031297GC14-1	CV0312972014	Calibration Verifi	123.
031297GC14-4	BW03129714	Method Blank Water	121.
031297GC14-8	MS03012602	Matrix Spike	90.9
031297GC14-9	DP03012603	Duplicate	81.9
--	03012601	TB-LB	86.1
--	03012602	B-10	85.7
--	03012603	B-11	83.0
--	03012604	B-12	85.1
--	03012605	B-7	100.
--	03012606	B-9	114.
--	03012607	B-5	99.6
--	03012608	B-6	92.8
--	03012609	B-3	131.
--	03012610	B-1	90.4

Notes:

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

Project ID (Number): 5203
Project ID (Name): Chevron SS #9-2506
2630 Broadway
Oakland, CA
Work Order Number: W7-03-0126
Date Reported: 03-14-97

METHOD BLANK REPORT

Volatile Organics in Water
EA Method 8020A

Date of Analysis: 12-Mar-97 QC Batch No: 031297GC14-4

Analyte	Concentration, ug/L
MTBE	<5.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylene (total)	<0.5
TPH as Gasoline	<50

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Calibration Verification Sample Summary

Analyte		Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:031297GC14-1			
Benzene		20.0	18.5	92.5	77-123%
Toluene		20.0	17.8	89.0	77.5-122.5%
Ethylbenzene		20.0	16.7	83.5	63-137%
Xylenes (Total)		60.0	57.2	95.3	85-115%
TPH as Gasoline		500.	487.	97.4	80-120%

Notes:
QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 031297GC14-9	GTEL Sample ID: W7030126-03		Client ID: B-11
MTBE	< 10.0	< 10.0	NA	20
Benzene	< 0.500	< 0.500	NA	23.9
Toluene	< 1.00	< 1.00	NA	27.2
Ethylbenzene	< 1.00	< 1.00	NA	21.6
Xylenes (Total)	< 2.00	< 2.00	NA	22.0
TPH as Gasoline	< 100.	< 100.	NA	20

Notes:

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

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030126
Project ID (number): 5203
Project ID (name): CHEVRON/9-2506/2630 BROADWAY/OAKLAND/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7030126-02
Analysis Date: 13-MAR-97

MS ID:MS03012602
13-MAR-97

Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	18.9	94.5	67-110
Toluene	< 0.5 (0.000)	20.0	18.3	91.5	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	16.9	84.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	57.0	95.0	62-119

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