Chevron

November 19, 1995

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

Mark A. Miller
SAR Engineer
Phone No. 510 842-8134
Fax No. 510 842-8252

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

Re: Former Chevron Service Station #9-1026
3701 Broadway, Oakland, CA

Dear Ms. Hugo:

Enclosed is the Quarterly Groundwater Sampling Report dated October 30, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Concentrations of dissolved hydrocarbon constituents in the ground water samples analyzed were consistent with previous observations at the site. Depth to ground water was measured at approximately 11.6 feet to 16.8 feet below grade and the direction of flow is to the south-southwest.

Separate phase hydrocarbons (SPH) were observed in monitor wells B and B-3 at measured thicknesses of 1.12 and 0.30 feet, respectively. The SPH was bailed, removed from the site, and transported to Chevron's facility in Richmond for recycling.

As indicated in Chevron's September 5, 1995, letter, we are eager to implement modifications to the sampling program recommended in the Comprehensive Site Evaluation and Proposed Future Action Plan of December 20, 1994. A copy of these modifications in enclosed for your reference. We will move forward with modifications to the sampling plan unless we hear differently from your office.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Ms. B.C. Owen

Mr. W. Bruce Bercovich
Kay & Merkel
100 The Embarcadero, 3rd Floor
San Francisco, CA 94105

FUTURE ACTION PLAN

Continued Ground Water Monitoring: Chevron's portion of the hydrocarbon plume at this site has remained stable during the six years since monitoring was initiated in 1989, and continued monitoring of the wells is unlikely to yield significant additional information. The goal of this future action plan is to 1) confirm that a portion of hydrocarbons detected in ground water at this site are due to offsite sources; 2) assist the ACDEH in identifying these sources; and 3) confirm that Chevron's plume is stable and contained. To achieve these goals, Chevron will:

1) Sample upgradient onsite well B-4, and cross-/downgradient site wells B, B-1, B-2 and B-3 semi-annually in the spring and fall through 1996.

2) Sample cross-gradient well EA-2 and downgradient offsite wells EA-1, E and F annually in the spring through 1996. Wells EA-1, E and F have not contained hydrocarbons for almost two years.

   If the data continue to indicate that a significant source is located upgradient of the Chevron site, and the Chevron portion of the plume is stable and contained, we will cease monitoring while the upgradient source is identified and addressed by the responsible parties. Otherwise, the contingency plan described below will be activated.

Table 1. Proposed Monitoring and Sampling Schedule. Chevron Service Station #9-2782

	1995				1996			
Well ID	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
B	G&S		G&S		G&S		G&S	
B-1	G&S		G&S		G&S		G&S	
B-2	G&S		G&S		G&S		G&S	
B-3	G&S		G&S		G&S		G&S	
B-4	G&S		G&S		G&S		G&S	
EA-1	G&S				G&S			
EA-2	G&S				G&S			
E	G&S				G&S			
F	G&S				G&S			

G&S = Gauging and Sampling

Contingency Plan: For each of these sampling points, "baseline" and "trigger" conditions have been defined (Appendix D). Should monitoring indicate that "trigger" concentrations occur in any

GETTLER-RYAN INC.

October 30, 1995

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

Re: Former Chevron Service Station #9-1026
3701 Broadway
Oakland, CA
Job #5127.80

Dear Mr. Miller:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On September 21, 1995, field personnel were on-site to gauge nine wells (B, B-1 through B-4, E, EA-1, EA-2, and F), and sample seven wells (B-1, B-2, B-4, E, EA-1, EA-2 and F) at the Former Chevron Service Station #9-1026 located at 3701 Broadway in Oakland, California.

Static groundwater levels were measured on September 21, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in two site wells (B and B-3). Static water level data and groundwater elevations are presented in Table 1. Separate-phase hydrocarbon removal data 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 Technology Environmental Laboratories, Inc.. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic reports 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 Leyton
Environmental Project Manager

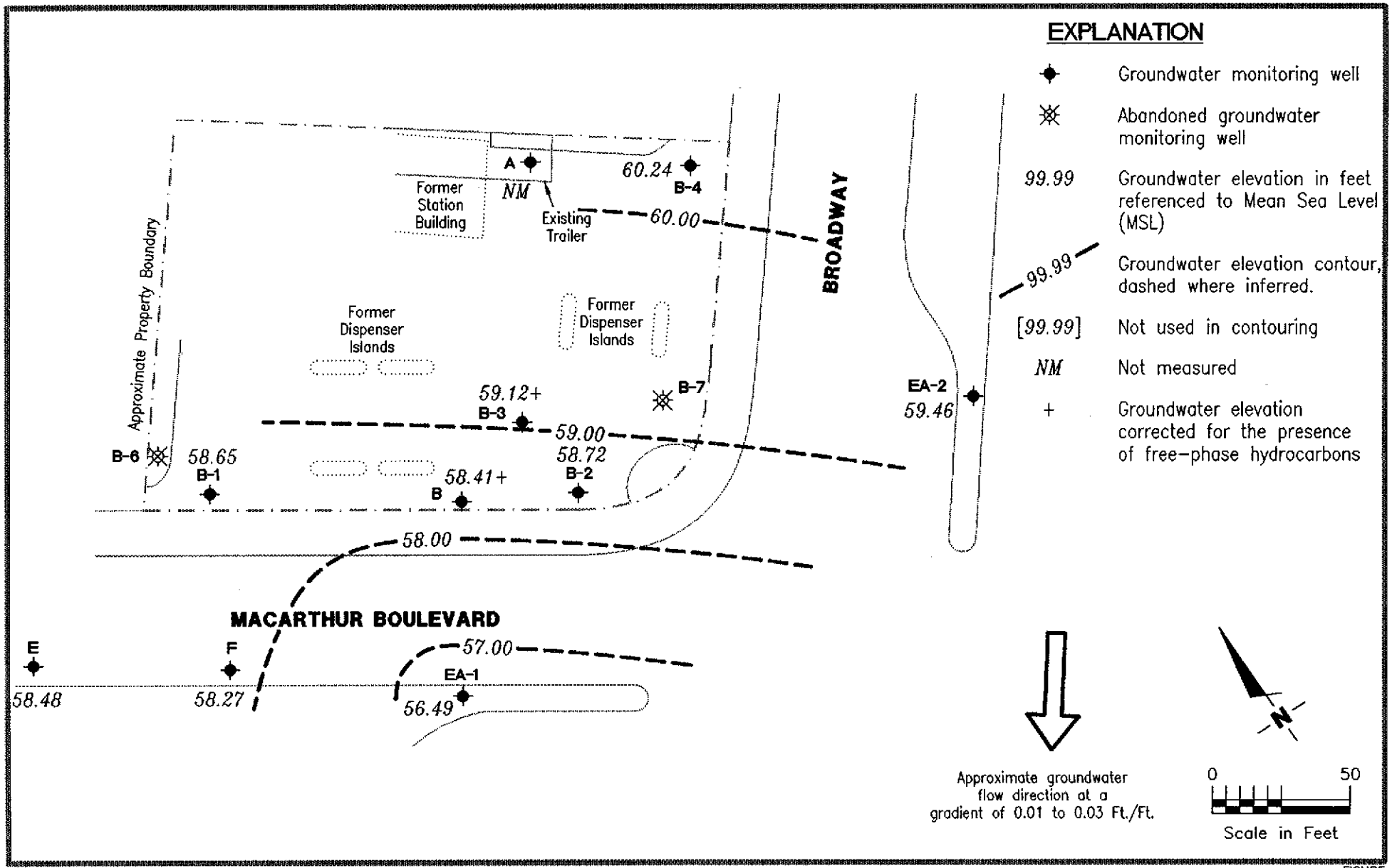
Stephen J. Carter
Senior Geologist, R.G. 5577

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

AML/SJC/dlh
5127.QML

Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytic Results
Table 2: Separate-phase Hydrocarbon Removal Data
Attachments: Standard Operating Procedure
Field Data Sheets
Chain of Custody Document and Laboratory Analytic 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
Former Chevron Service Station No. 9-1026
3701 Broadway
Oakland, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5127.80		September 21, 1995	

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<--------		ppb		-------->
A	5/9/89	13.92	61.36	0	8015/8020	11,000	260	<2	94	230
	8/9/89	15.62	59.66	0	8015/8020	12,000	370	<1.5	100	240
75.28	11/9/89	15.95	59.33	0	8015/8020	16,000	690	10	180	350
	2/8/90	14.73	60.55	0	8015/8020	14,000	600	7	120	270
	5/10/90	15.48	59.80	0	8015/8020	16,000	840	4.8	140	340
	8/9/90	15.66	59.62	0	8015/8020	17,000	510	40	170	280
	11/13/90	16.48	58.80	0	8015/8020	9,000	570	3.1	86	170
	3/27/91	---	---	---	8015/8020	8,000	660	<5	110	250
	4/5/91	13.22	62.06	0	---	---	---	---	---	---
	6/19/91	15.37	59.91	0	8015/8020	8,900	740	<3	120	280
	8/21/91	15.99	59.29	0	8015/8020	6,800	620	23	85	200
	11/8/91	16.15	59.13	0	8015/8020	4,000	640	<5	77	160
	2/13/92	14.58	60.70	0	8015/8020	8,000	860	<5	120	390
	5/1/92	14.26	61.02	0	8015/8020	13,000	870	19	220	780
75.29	11/18/92	16.38	58.91	0	8015/8020	12,000	1,500	83	360	530
	3/19/93	12.16	63.13	0	8015/8020	14,000	820	6.1	180	420
	6/10/93	14.25	61.04	0	8015/8020	9,000	700	13	170	310
	9/8/93	---	---	---	---	---	---	---	---	---
	12/21/93	---	---	---	---	---	---	---	---	---
	3/9/94	13.34	61.95	0	8015/8020	9,600	860	21	200	390
	9/21/94[2]	---	---	---	---	---	---	---	---	---
	12/20/94[2]	---	---	---	---	---	---	---	---	---
	3/28/95[2]	---	---	---	---	---	---	---	---	---
	6/22/95[2]	---	---	---	---	---	---	---	---	---
	9/21/95[7]	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
B	5/9/89	13.97	59.58	0.20	---	---	---	---	---	---
	8/9/89	15.69	57.86	0.20	---	---	---	---	---	---
73.39	11/9/89	15.29	58.16	0.08	---	---	---	---	---	---
	2/8/90	14.46	58.93	0	---	---	---	---	---	---
	5/10/90	14.07	58.32	0	---	---	---	---	---	---
	8/9/90	15.12	58.27	0	---	---	---	---	---	---
	11/13/90	15.76	57.63	0	---	---	---	---	---	---
	4/5/91	13.38	60.01	0	---	---	---	---	---	---
	6/19/91	15.14	58.25	0	8015/8020	26,000	7,100	370	430	1,000
	8/21/91	15.58	57.81	0	8015/8020	16,000	4,900	270	390	640
	11/8/91	15.71	57.68	0	8015/8020	11,000	2,400	48	280	160
	2/13/92	14.66	58.73	0	8015/8020	6,800	2,400	60	220	140
	5/1/92	14.50	58.89	Sheen	8015/8020	16,000	6,000	180	370	460
	11/18/92	15.60	57.79	0	8015/8020	28,000	2,200	150	920	4,300

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
B	3/19/93	13.29	60.12	0.03	---	---	---	---	---	---
(cont)	6/10/93	14.30	59.11	0.03	---	---	---	---	---	---
	9/8/93	15.33	58.25	0.24	---	---	---	---	---	---
	12/21/93	14.73	58.76	0.12	---	---	---	---	---	---
	3/9/94	14.07	59.35	0.04	---	---	---	---	---	---
	9/21/94	15.50	57.91[3]	0.02[4]	---	---	---	---	---	---
	12/20/94	13.75	59.88[3]	0.12	---	---	---	---	---	---
	3/28/95[2]	---	---	---	---	---	---	---	---	---
	6/22/95	14.56	58.92[3]	0.11	---	---	---	---	---	---
	9/21/95	**15.88**	**58.41[3]**	**1.12**	**---**	**---**	**---**	**---**	**---**	**---**
B-1	5/9/89	12.58	59.19	0	8015/8020	16,000	2,300	260	81	740
	8/9/89	14.09	57.68	0	8015/8020	12,000	2,600	340	100	870
71.77	11/9/89	14.06	57.71	0	8015/8020	17,000	340	140	110	760
	2/8/90	12.65	59.12	0	8015/8020	5,500	70	19	17	150
	5/10/90	13.62	58.15	0	8015/8020	18,000	770	110	73	600
	8/9/90	13.87	57.90	0	8015/8020	82,000	750	66	95	980
	11/13/90	14.38	57.39	0	8015/8020	43,000	1,300	120	74	760
	3/27/91	---	---	---	8015/8020	18,000	580	92	94	770
	4/5/91	11.73	60.04	0	---	---	---	---	---	---
	6/19/91	13.56	58.21	0	8015/8020	21,000	910	56	96	810
	8/21/91	13.90	57.87	0	8015/8020	50,000	2,400	610	300	1,800
	11/8/91	14.05	57.72	0	8015/8020	540,000	3,600	1,500	1,900	5,900
	2/13/92	12.68	59.09	0	8015/8020	20,000	500	100	150	920
	5/1/92	12.92	58.85	Sheen	8015/8020	27,000	2,800	200	310	1,900
72.30	11/18/92	14.30	58.00	0	8015/8020	300	9.7	3.4	2.3	21
	3/19/93	12.28	60.02	0	8015/8020	130	23	.9	<0.5	5.6
	6/10/93	13.04	59.26	0	8015/8020	170	21	1.1	.8	6.6
	9/8/93	13.88	58.46	0.05	---	---	---	---	---	---
	12/21/93	13.53	58.77	0	8015/8020	<50	6.7	.5	<0.5	1.2
	3/9/94	12.65	59.65	0	8015/8020	1,300	520	8.8	2.4	53
	9/21/94	14.40	57.90	0	8015/8020	390	130	2.7	2.4	7.7
	12/20/94	12.35	59.95	0	8015/8020	1,600	520	9.9	8.9	34
	3/28/95	10.76	61.54	0	8015/8020	160	38	2.1	1.4	5.4
	6/22/95	12.60	59.70	0	8015/8020	340	73	3.1	2.4	7.5
	9/21/95	**13.65**	**58.65**	**0**	**8015/8020**	**140**	**19**	**1.0**	**1.2**	**6.1**

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
B-2	5/9/89	14.58	59.93	0	8015/8020	170,000	30,000	8,400	2,300	12,000
	8/9/89	16.06	58.45	0	8015/8020	60,000	29,000	8,700	2,400	12,000
74.51	11/9/89	16.95	57.56	0	8015/8020	110,000	32,000	5,500	2,800	12,000
	2/8/90	15.56	58.95	0	8015/8020	67,000	28,000	5,900	2,300	11,000
	5/10/90	15.94	58.57	0	8015/8020	69,000	24,000	4,800	2,000	11,000
	8/9/90	15.97	58.54	0	8015/8020	100,000	33,000	4,000	2,100	12,000
	11/13/90	16.70	57.81	0	8015/8020	110,000	33,000	4,300	2,900	13,000
	3/27/91	---	---	---	8015/8020	160,000	26,000	3,200	2,600	15,000
	4/5/91	14.20	60.31	0	---	---	---	---	---	---
	6/19/91	15.83	58.68	0	8015/8020	100,000	22,000	2,500	2,000	11,000
	8/21/91	16.31	58.20	0	8015/8020	80,000	28,000	2,800	2,400	12,000
	11/8/91	16.60	57.91	0	8015/8020	94,000	29,000	1,900	2,200	11,000
	2/13/92	15.93	58.58	0	8015/8020	280,000	34,000	2,500	4,600	23,000
	5/1/92	14.94	59.57	Sheen	8015/8020	29,000	1,700	300	1,100	4,300
74.52	11/18/92	16.71	57.81	0	8015/8020	26,000	11,000	170	870	950
	3/19/93	14.06	60.46	0	8015/8020	110,000	28,000	1,200	2,200	12,000
	6/10/93	14.88	59.64	0	8015/8020	140,000	15,000	930	1,900	8,800
	9/8/93	16.03	58.52	0.04	---	---	---	---	---	---
	12/21/93	15.61	58.91	0	8015/8020	980,000	21,000	30,000	9,100	71,000
	3/9/94	14.53	59.99	Sheen	8015/8020	110,000	23,000	920	1,300	7,800
	9/21/94[5]	---	---	---	---	---	---	---	---	---
	12/20/94	14.65	59.86	0	8015/8020	70,000	25,000	710	920	5,300
	3/28/95	12.30	62.22	0	8015/8020	76,000	20,000	920	1,200	5,200
	6/22/95	14.22	60.30	0	8015/8020	89,000	21,000	3,8000	1,500	6,800
	9/21/95	**15.80**	**58.72**	**0**	**8015/8020**	**84,000**	**24,000**	**2,900**	**1,800**	**9,800**
B-3	5/9/89	14.02	60.01	0	8015/8020	70,000	12,000	9,500	400	8,900
	8/9/89	15.38	58.74	0	---	---	---	---	---	---
74.12	11/9/89	15.55	58.61	0.05	---	---	---	---	---	---
	2/8/90	14.68	59.44	<0.01	---	---	---	---	---	---
	5/10/90	15.15	58.99	0.02	---	---	---	---	---	---
	8/9/90	15.27	58.85	<0.01	---	---	---	---	---	---
	11/13/90	16.04	58.13	0.06	---	---	---	---	---	---
	4/5/91	13.30	60.82	<0.01	---	---	---	---	---	---
	6/19/91	15.16	58.96	0	8015/8020	260,000	20,000	9,000	2,200	16,000
	8/21/91	15.61	58.51	0	8015/8020	70,000	28,000	11,000	1,800	11,000
	11/8/91	15.77	58.35	0	8015/8020	150,000	29,000	9,700	2,200	13,000
	2/13/92	14.88	59.24	0	8015/8020	100,000	27,000	9,906	2,000	11,000
	5/1/92	14.20	59.93	0.01	---	---	---	---	---	---

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<-------ppb------->				
B-3/74.13	11/18/92	15.68	58.47	0.03	---	---	---	---	---	---
(cont)	3/19/93	13.75	61.24	1.08	---	---	---	---	---	---
	6/10/93	14.79	60.04	0.87	---	---	---	---	---	---
	9/8/93	15.38	58.81	0.08	---	---	---	---	---	---
	12/21/93	14.74	59.39	0	8015/8020	1,100,000	18,000	29,000	8,900	59,000
	3/9/94	13.53	60.60	0	8015/8020	130,000	11,000	20,000	1,700	15,000
	9/21/94	15.70	58.45[3]	0.02[4]	---	---	---	---	---	---
	12/20/94	13.48	60.67[3]	0.03	---	---	---	---	---	---
	3/28/95	---	---	1.54	---	---	---	---	---	---
	6/22/95	14.25	60.86[3]	1.23	---	---	---	---	---	---
	9/21/95	**15.25**	**59.12[3]**	**0.30**	**---**	**---**	**---**	**---**	**---**	**---**
B-4	5/9/89	14.93	61.50	0	8015/8020	3,600	840	34	120	200
	8/9/89	16.65	59.78	0	8015/8020	<500	4,200	130	370	260
76.43	11/9/89	---	---	---	8015/8020	5,000	4,200	83	400	250
	2/8/90	16.99	59.44	0	8015/8020	14,000	6,000	70	530	300
	5/10/90	16.05	60.38	0	8015/8020	12,000	5,400	130	460	320
	8/9/90	16.49	59.94	0	8015/8020	16,000	7,400	120	530	350
	11/13/90	16.64	59.79	0	8015/8020	21,000	7,000	100	550	320
	3/27/91	17.42	59.01	0	8015/8020	17,000	8,500	120	500	300
	4/5/91	14.66	61.77	0	8015/8020	14,000	7,700	75	610	210
	6/19/91	16.48	59.95	0	8015/8020	16,000	7,800	110	550	340
	8/21/91	17.00	59.43	0	8015/8020	18,000	11,000	110	450	340
	11/8/91	17.38	59.05	0	8015/8020	18,000	6,800	98	500	620
	2/13/92	16.42	60.01	0	8015/8020	15,000	9,100	86	570	350
	5/1/92	15.50	60.93	0	8015/8020	36,000	16,000	180	990	690
	3/19/93	14.11	62.32	0	8015/8020	26,000	15,000	150	900	790
	6/10/93	15.44	60.99	0	8015/8020	35,000	14,000	180	940	590
	9/8/93	16.65	59.78	0	8015/8020	34,000	15,000	170	1,100	870
	12/21/93	16.45	59.98	0	8015/8020	30,000	12,000	74	610	340
	3/9/94	14.88	61.55	0	8015/8020	37,000	15,000	140	1,000	580
	9/21/94	17.14	59.29	0	8015/8020	32,000	14,000	110	660	190
	12/20/94	14.99	61.44	0	8015/8020	23,000	8,400	97	640	530
	3/28/95	11.33	65.10	0	8015/8020	27,000	9,900	120	880	540
	6/22/95	14.59	61.84	0	8015/8020	33,000	12,000	84	650	150
	9/21/95	**16.19**	**60.24**	**0**	**8015/8020**	**20,000[6]**	**12,000**	**72**	**540**	**68**

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
B-6	5/9/89	12.11	60.55	0	8015/8020	26,000	120	110	250	1,300
	8/9/89	14.72	57.94	0	8015/8020	19,000	470	150	440	1,400
72.66	11/9/89	13.85	58.81	0	8015/8020	13,000	70	36	36	440
	2/8/90	7.73	64.93	0	8015/8020	2,900	16	5	10	58
	5/10/90	---	---	---	---	---	---	---	---	---
	8/9/90	14.51	58.15	0	8015/8020	14,000	55	3	130	500
	11/13/90	14.86	57.80	0	---	---	---	---	---	---
	4/5/91	10.43	62.23	0	---	---	---	---	---	---
	6/19/91[1]	---	---	---	---	---	---	---	---	---
B-7	5/9/89	14.73	60.67	0	8015/8020	210,000	13,000	19,000	2,000	20,000
	8/9/89	16.36	59.04	0	8015/8020	672,000	8,7000	17,000	2,700	30,000
75.40	11/9/89	16.64	58.76	0	8015/8020	150,000	7,000	12,000	1,800	16,000
	2/8/90	15.69	59.71	0	8015/8020	41,000	2,500	6,900	1,100	11,000
	5/10/90	---	---	---	---	---	---	---	---	---
	8/9/90	16.31	59.09	0	8015/8020	50,000	1,100	3,900	640	7,200
	11/13/90	17.09	58.31	0	---	---	---	---	---	---
	4/5/91	14.36	61.04	0	---	---	---	---	---	---
	6/19/91[1]	---	---	---	---	---	---	---	---	---
E	11/18/92	12.20	57.87	0	8015/8020	280	2.7	2.4	3	12
70.07	3/19/93	9.97	60.10	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	6/10/93	10.98	59.09	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	9/8/93	11.80	58.29	0.03	---	---	---	---	---	---
	12/21/93	11.25	58.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/9/94	10.67	59.40	0	8015/8020	<50	<0.5	0.7	<0.5	0.7
	9/21/94	12.29	57.78	0	8015/8020	<50	2.5	<0.5	1.0	<0.5
	12/20/94	15.53	54.54	0	8015/8020	<50	0.5	<0.5	<0.5	<0.5
	3/28/95	8.45	61.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/22/95	10.57	59.50	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/21/95	**11.59**	**58.48**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
F	5/9/89	18.70	53.31	0	8015/8020	<500	<0.5	<0.5	0.6	1
	8/9/89	19.03	52.98	0	---	---	---	---	---	---
72.01	11/9/89	19.02	52.99	0	---	---	---	---	---	---
	2/8/90	18.70	53.31	0	8015/8020	<50	0.4	<0.3	0.3	<0.6
	5/10/90	18.98	53.03	0	---	---	---	---	---	---

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
F	8/9/90	18.95	53.06	0	---	---	---	---	---	---
(cont)	11/13/90	19.10	52.91	0	---	---	---	---	---	---
	3/27/91	---	---	---	8015/8020	64	<0.5	<0.5	<0.5	1
	6/19/91	18.95	53.06	0	---	---	---	---	---	---
	8/21/91	>19.94	<52.07	0	---	---	---	---	---	---
	11/8/91	>19.94	<52.07	0	---	---	---	---	---	---
	2/13/92	18.60	53.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/1/92	Dry	---	---	---	---	---	---	---	
71.72	11/18/92	14.85	56.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/19/93	14.25	57.47	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	6/10/93	13.92	57.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	9/8/93	14.80	56.95	0.04	---	---	---	---	---	---
	12/21/93	13.31	58.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/9/94	12.99	58.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/21/94	16.30	55.42	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/20/94	12.57	59.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/28/95	8.95	62.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/22/95	13.77	57.95	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/21/95	**13.45**	**58.27**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
EA-1	5/9/89	14.56	59.38	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
	8/9/89	16.09	57.85	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
73.94	11/9/89	15.84	58.10	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
	2/8/90	15.05	58.89	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6
	5/10/90	15.65	58.29	0	8015/8020	<50	1	0.3	<0.3	<0.6
	8/9/90	15.67	58.27	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6
	11/13/90	16.32	57.62	0	8015/8020	<50	<0.4	<0.3	<0.3	<0.4
	3/27/91	---	---	---	8015/8020	<50	0.7	0.5	<0.5	<0.5
	4/5/91	14.03	59.91	0	---	---	---	---	---	---
	6/19/91	15.56	58.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/21/91	15.99	57.95	0	8015/8020	<50	<0.4	<0.3	<0.3	<0.4
	11/08/91	16.13	57.81	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	2/13/92	15.10	58.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/1/92	18.80	55.14	0	8015/8020	<50	2.7	<0.5	<0.5	<0.5
71.85	11/18/92	15.97	55.88	0	8015/8020	<10	<0.3	<0.3	<0.3	<0.5
	3/19/93	13.66	58.19	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	6/10/93	14.71	57.14	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	9/8/93	15.58	56.33	0.08	---	---	---	---	---	---
	12/21/93	15.02	56.83	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
EA-1	3/9/94	14.38	57.47	0	8015/8020	<50	<0.5	1.0	<0.5	<0.5
(cont)	9/21/94	16.12	55.73	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/20/94	14.05	57.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/28/95	12.05	59.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/22/95	14.35	57.50	0	8015/8020	<50	2.0	<0.5	<0.5	<0.5
	9/21/95	**15.36**	**56.49**	**0**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
EA-2	5/9/89	15.95	59.29	0	8015/8020	760	<0.5	<0.5	1.1	<0.5
	8/9/89	17.45	57.79	0	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
75.24	11/9/89	17.41	57.83	0	8015/8020	<500	<0.5	1	<0.5	<0.5
	2/8/90	16.57	58.67	0	8015/8020	190	<0.3	<0.3	<0.3	<0.6
	5/10/90	17.12	58.12	0	8015/8020	<50	<0.3	<0.3	<0.3	<0.6
	8/9/90	17.20	58.04	0	8015/8020	120	<0.3	<0.3	<0.3	<0.6
	11/13/90	17.88	57.36	0	8015/8020	160	<0.4	1	<0.3	<0.4
	3/27/91	---	---	---	8015/8020	110	<0.5	<0.5	<0.5	<0.5
	4/5/91	15.54	59.70	0	---	---	---	---	---	---
	6/19/91	17.07	58.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/21/91	17.46	57.78	0	8015/8020	70	0.8	1.4	<0.3	<0.4
	11/8/91	17.58	57.66	0	8015/8020	<50	<0.5	0.7	<0.5	<0.5
	2/13/92	16.69	58.55	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/1/92	16.16	59.08	0	8015/8020	340	<0.5	2.6	0.7	<0.5
76.24	11/18/92	17.61	58.63	0	8015/8020	450	<0.5	3.3	<0.5	0.8
	3/19/93	15.00	61.24	0	8015/8020	450	<0.5	2.3	0.6	<1.5
	6/10/93	16.08	60.16	0	8015/8020	250	<0.5	1.3	<0.5	<1.5
	9/8/93	17.07	59.17	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	12/21/93	16.60	59.64	0	8015/8020	170	<0.5	1.3	<0.5	<0.5
	3/9/94	15.83	60.41	0	8015/8020	200	1.8	1.4	<0.5	<0.5
	9/21/94	17.60	58.64	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/20/94	15.53	60.71	0	8015/8020	950	31	15	1.7	<0.5
	3/28/95	13.28	62.96	0	8015/8020	71	2.0	0.6	<0.5	<0.5
	6/22/95	15.62	60.62	0	8015/8020	300	<0.5	3.7	<0.5	0.6
	9/21/95	**16.78**	**59.46**	**0**	**8015/8020**	**170**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
Trip Blank	5/9/89	---	---	---	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
TBLB	8/9/89	---	---	---	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
	11/9/89	---	---	---	8015/8020	<500	<0.5	<0.5	<0.5	<0.5
	2/8/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6
	5/10/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X
						<----------ppb---------->				
TBLB (cont)	8/9/90	---	---	---	8015/8020	<50	<0.3	<0.3	<0.3	<0.6
	11/13/90	---	---	---	8015/8020	<50	<0.4	<0.3	<0.3	<0.4
	3/27/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/19/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	8/21/91	---	---	---	8015/8020	<50	<0.4	<0.3	<0.3	<0.4
	11/8/91	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	2/13/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	5/1/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	11/18/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/19/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	6/10/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	9/8/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
	12/21/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/9/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/21/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/20/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/28/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/22/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/21/95	**---**	**---**	**---**	**8015/8020**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1. Water Level Data and Groundwater Analytic Results - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California (continued)

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Groundwater elevation
msl = Mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
ppb = Parts per billion
--- = Not analyzed/not applicable

ANALYTIC METHODS

8015 = EPA Method 8015/5030 for TPPH(G)
8020 = EPA Method 8020 for BTEX

NOTES:

Analytic results and groundwater data prior to 1995 were compiled from the quarterly groundwater monitoring reports prepared for Chevron by Sierra Environmental Services.

Analytic methods prior to September 21, 1994 are assumed to be 8015/8020.

* Product thickness measurements on and after September 21, 1994 were measured using an MMC flexi-dip interface probe.

[1] Well abandoned. Exact date unknown.
[2] Well inaccessible on this date.
[3] GWE corrected for the presence of free-phase hydrocarbons using: GWE = [(TOC-DTW)+(0.8)(Product Thickness)]. 0.8 is the assumed specific gravity of free-phase hydrocarbons.
[4] Approximate thickness; equipment not functioning properly.
[5] Well not located this event.
[6] Laboratory report indicates data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.
[7] Well inaccessible due to office trailer positioned over well.

Table 2. Separate-phase Hydrocarbon Thickness and Product Removal - Former Chevron Service Station #9-1026, 3701 Broadway, Oakland, California

WELL ID	DATE	PRODUCT THICKNESS (ft)	AMOUNT BAILED (gals - prod & water)
B	6/22/95	0.11	1.0
	9/21/95	**1.12**	**2.0**
B-3	3/28/95	1.54	2.0
	6/22/95	1.23	0.5
	9/21/95	**0.30**	**0.5**

5127.pt

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 pevention 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: Guadalupe Sanchez / F Cline DATE: 9-21-95

ADDRESS: 3701 Broadway JOB #: 5127.85

CITY: Oakland SS#: 9-1026

Well ID: B-1 Well Condition: OK

Well Location Description: N. Entrance on MacArthur Blvd

Well Diameter: 4 in Hydrocarbon Thickness: -0-

Total Depth: 32.89 ft

Depth to Liquid: 13.65 ft

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

3 # of casing Volume: 19.24 x .66 x(VF) 12.7 #Estimated purge Volume: 38.1 gal.

Purge Equipment: Stack Pump Sampling Equipment: Disposable Bailer

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

Starting Time: 1150 Purging Flow Rate: 2 gpm.

Sampling Time: 1214

Time	pH	Conductivity	Temperature	Volume
1157	6.8	740	70.0	14 gal
1204	6.7	750	69.6	28 gal
1209	6.7	760	69.7	38 gal
1214	6.7	760	69.7	39 gal

Weather Conditions: sunny

Water Color: clear Odor: none

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-1	3X40ml	Y	HCl	GTEL	Gas BTEX

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Guadalupe Sanchez / F Cline DATE: 9-21-95

ADDRESS: 3701 Broadway JOB #: 5127.85

CITY: Oakland SS#: 9-1026

Well ID: B-2 Well Condition: OK

Well Location Description: At corner of Broadway / MacArthur

Well Diameter: 2 in Hydrocarbon Thickness: sheen

Total Depth: 18.8 ft

Depth to Liquid: 15.80 ft

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

3 # of casing Volume: 3.00 x .17 x(VF) 0.5 #Estimated purge Volume: 1.5 gal.

Purge Equipment: Bailer Sampling Equipment: Disposable Bailer

Did well dewater: NO If yes, Time: ___ Volume: ___

Starting Time: 1245

Sampling Time: 1250

Purging Flow Rate: — gpm.

Time	pH	Conductivity	Temperature	Volume
1246	6.7	1710	69.1	0.5 gal
1248	6.6	1280	68.6	1.0
1250	6.6	1270	68.5	1.5

Weather Conditions: sunny

Water Color: grey Odor: strong

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-2	3X40ml	Y	HCl	GTEL	Gas BTEX

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER Guadalupe Sanchez / F Cline DATE 9-21-95

ADDRESS 3701 Broadway JOB # 5127.85

CITY Oakland SS# 9-1026

Well ID B-4 Well Condition OK

Well Location Description West Entrance on Broadway ~ 6' from sidewalk

Well Diameter 2 in Hydrocarbon Thickness —

Total Depth 19.27 ft

Depth to Liquid 16.19 ft

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

3 # of casing Volume 3.08 x .17 x(VF) 3 = #Estimated purge Volume 1.5 gal.

Purge Equipment Bailer Sampling Equipment Disposable Bailer

Did well dewater NO If yes, Time — Volume —

Starting Time 1225 Purging Flow Rate — gpm.

Sampling Time 1232

Time	pH	Conductivity	Temperature	Volume
1226	6.6	1830	68.1	0.5 gal
1228	6.6	1840	67.3	1.0 gal
1232	6.5	1850	67.1	1.5 gal

Weather Conditions Sunny

Water Color: clear Odor: Strong

Sediment Description none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-4	3x40ml	Y	HCl	GTEL	Gas BTEX

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Guadalupe Sanchez / F Cline DATE 9-21-95

ADDRESS 3701 Broadway JOB # 5127.85

CITY Oakland SS# 9-1026

Well ID E Well Condition Clear

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 33.0 ft

Depth to Liquid 11.59 ft

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

3 # of casing Volume 21.41 x 0.17 x(VF) 3.6 #Estimated purge Volume 10.9 gal.

Purge Equipment Suction Sampling Equipment Disposable Bailer

Did well dewater NO If yes, Time ___ Volume

Starting Time 11:15 Purging Flow Rate 2.0 gpm.

Sampling Time 11:24

Time	pH	Conductivity	Temperature	Volume
11:17	7.00	788	20.1	4
11:19	6.88	789	19.8	8
11:21	6.79	790	19.9	12
11:24	6.80	789	20.1	13

Weather Conditions Partly Cloudy

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
E	3x40ml	Y	HCl	GTEL	Gas BTEX

Comments

11:33

11:35 7.10 210 510

11:37

WELL SAMPLING FIELD DATA SHEET

SAMPLER Guadalupe Sanchez / F Cline DATE 9-21-95

ADDRESS 3701 Broadway JOB # 5127.85

CITY Oakland SS# 9-1026

Well ID F Well Condition Okay

Well Location Description

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 21.1 ft

Depth to Liquid 13.45 ft

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

3 # of casing Volume 7.65 x 0.17 x(VF) 1.3 #Estimated purge Volume 3.9 gal.

Purge Equipment Suction Sampling Equipment Disposable Bailer

Did well dewater No If yes, Time ___ Volume

Starting Time 10:58 Purging Flow Rate 0.65 gpm.

Sampling Time 11:07

Time	pH	Conductivity	Temperature	Volume
11:00	6.83	826	22.3	1.3
11:02	6.69	820	21.9	2.6
11:04	6.64	824	21.8	3.9
11:07	6.66	822	21.2	9.3

Weather Conditions Partly cloudy Warm

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
F	3x40ml	Y	HCl	GTEL	Gas BTEX

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Guadalupe Sanchez / F Cline DATE 9-21-95

ADDRESS 3701 Broadway JOB # 5127.85

CITY Oakland SS# 9-1026

Well ID EA-1 Well Condition okay

Well Location Description

Well Diameter 4" in Hydrocarbon Thickness e

Total Depth 27.34 ft

Depth to Liquid 15.56 ft

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

3 # of casing Volume 11.98 x 0.66 x(VF) 7.9 #Estimated purge Volume 23.7 gal.

Purge Equipment Suction Sampling Equipment Disposable Bailer

Did well dewater NC If yes, Time ___ Volume

Starting Time 10:47 Purging Flow Rate 4 gpm.

Sampling Time 10:57

Time	pH	Conductivity	Temperature	Volume
10:49	6.68	806	20.7	8
10:51	6.66	798	20.6	16
10:53	6.58	793	20.7	24
10:57	6.60	795	20.6	25

Weather Conditions Cloudy Warm

Water Color: Clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
EA-1	3x40ml	Y	HCl	GTEL	Gas BTEX

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER Guadalupe Sanchez / F Cline DATE 9-21-95

ADDRESS 3701 Broadway JOB # 5127.85

CITY Oakland SS# 9-1026

Well ID B1-2 Well Condition Okay

Well Location Description

Well Diameter 4" in Hydrocarbon Thickness 0

Total Depth 29.8 ft

Depth to Liquid 16.78 ft

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

3 # of casing Volume 13.02 x 0.66 x(VF) 8.6 #Estimated purge Volume 26. gal.

Purge Equipment Suction Sampling Equipment Disposable Bailer

Did well dewater No If yes, Time ___ Volume

Starting Time 1133 Purging Flow Rate 4.5 gpm.

Sampling Time 11:43

Time	pH	Conductivity	Temperature	Volume
1135	7.10	516	21.0	9
1137	7.17	511	21.0	18
1139	7.20	512	20.8	27
1143	7.19	510	20.8	28

Weather Conditions Partly cloudy

Water Color: Clear Odor: Na

Sediment Description Na

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B1-2	3x40ml	Y	HCl	GTEL	Gas BTEX

Comments

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

Chain-of-Custody-Record

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

Chevron Facility Number: 7-1026
Facility Address: 3701 Broadway Oakland
Consultant Project Number: 512785
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Argy Leyton
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Mark Miller
(Phone): (510)
Laboratory Name: GTEL
Laboratory Release Number: 3470530
Samples Collected by (Name): Guadalupe Sanchez
Collection Date: 9-21-95
Signature: Guadalupe Sanchez

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)	BTEX + TPH GAS (8020 + 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)					Remarks
TB-LB	01	2	W	G	—	HCl	Y	↓												Analyze in order ↓
FA-1	02	3	↓	↓	1057	↓	↓													
F	03	↓			1107															
E	04				1124															
EA-2	05				~~1237~~ 1143															
B-1	06				1214															
B-4	07				1232															
B-2	08	↓	↓	↓	1250	↓	↓	↓												

DO NOT BILL TB-LB ANALYSIS

Analyses To Be Performed

CS09 0254

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Guadalupe Sanchez	G/R	9-21-95	O. Harding	G-R	9/22 9:50
O. Harding	G-R	9/22 1430	Joe Weber	GTEL	9/22/95 1430
Joe Weber	GTEL	9/22/95 1840	Received For Laboratory By (Signature)		Date/Time

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

COC-3.DWG 05-01/HCT

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(510) 825-0720 (FAX)

October 6, 1995

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

RE: GTEL Client ID: GTR01CHV08
Login Number: C5090254
Project ID (number): 5127.85
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA

Dear Argy Leyton:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 09/22/95.

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.

Chip Poalinelli
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: C5090254
Project ID (number): 5127.85
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA

Method: EPA8020/15
Matrix: Aqueous

GTEL Sample Number	C5090254-01	C5090254-02	C5090254-03	C5090254-04
Client ID	TB-LB	EA-1	F	E
Date Sampled	09/21/95	09/21/95	09/21/95	09/21/95
Date Analyzed	10/02/95	10/02/95	10/02/95	10/02/95
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
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
TPH as GAS	50.	ug/L	< 50.	< 50.	< 50.	< 50.
BFB (Surrogate)	--	%	113.	115.	114.	115.

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 ENVIRONMENTAL LABORATORIES, INC.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: GTR01CHV08
Login Number: C5090254
Project ID (number): 5127.85
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA

Method: EPA8020/15
Matrix: Aqueous

GTEL Sample Number	C5090254-05	C5090254-06	C5090254-07	C5090254-08
Client ID	EA-2	B-1	B-4	B-2
Date Sampled	09/21/95	09/21/95	09/21/95	09/21/95
Date Analyzed	10/02/95	10/02/95	10/03/95	10/05/95
Dilution Factor	1.00	1.00	50.0	100.

Analyte	Reporting Limit	Units	Concentration:			
Benzene	0.5	ug/L	< 0.5	19.	12000	24000
Toluene	0.5	ug/L	< 0.5	1.0	72.	2900
Ethylbenzene	0.5	ug/L	< 0.5	1.2	540	1800
Xylenes (total)	0.5	ug/L	< 0.5	6.1	68.	9800
TPH as GAS	50.	ug/L	170	140	20000	84000
BFB (Surrogate)	--	%	111.	115.	116.	84.1

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.

C5090254-07:

Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5090254
Project ID (number): 5127.85
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA

Volatile Organics
Method: EPA8020/15
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT	BFB
Method: EPA8020/15		Acceptability Limits:	45-125%	45-125%
--	09025401	TB-LB	120.	113.
--	09025402	EA-1	121.	115.
--	09025403	F	120.	114.
--	09025404	E	121.	115.
--	09025405	EA-2	120.	111.
--	09025406	B-1	119.	115.
--	09025407	B-4	122.	116.
--	09025408	B-2	94.0	84.1
Q100295-1	BWQ100295	Method Blank Water	135.*	124.
Q100295-3	MS09021113	Matrix Spike	127.*	140.*
Q100295-4	MD09021113	Matrix Spike Dupli	122.	135.*

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

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5090254 Volatile Organics
Project ID (number): 5127.85 Method: EPA8020/15
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA Matrix: Aqueous

Method Blank Results

QC Batch No: Q100295-1
Date Analyzed: 02-OCT-95

Analyte	Method:EPA8020/15 Concentration: ug/L
Benzene	< 0.300
Toluene	< 0.300
Ethylbenzene	< 0.300
Xylenes (Total)	< 0.500
TPH as Gasoline	< 50.0

Notes:

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: C5090254 Volatile Organics
Project ID (number): 5127.85 Method: EPA8020/15
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA Matrix: Aqueous

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) Results

GTEL Sample ID:C5090211-13 MS ID:MS09021113 MSD ID:MD09021113
Analysis Date: 30-SEP-95 03-OCT-95 03-OCT-95

Units: ug/L	Sample		Spikes Added		MS	MS	MSD	MSD		Acceptability Limits	
Analyte	Conc.		MS	MSD	Conc.	% Rec.	Conc.	% Rec.	RPD	RPD	%Rec.
Benzene	< 0.5	(0.000)	20.0	20.0	25.7	129.	24.0	120.	7.2	34	57.3-138
Toluene	< 0.5	(0.000)	20.0	20.0	23.9	120.	24.3	122.	1.7	31	63-134
Ethylbenzene	< 0.5	(0.000)	20.0	20.0	24.2	121.	24.7	124.	2.4	38	59.3-137
Xylenes (Total)	< 0.5	(0.000)	60.0	60.0	73.0	122.	73.1	122.	0.0	31	59.3-144

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

GTEL ENVIRONMENTAL LABORATORIES, INC.

GTEL Client ID: GTR01CHV08
Login Number: C5090254
Project ID (number): 5127.85
Project ID (name): Chevron/#9-1026/3701 Broadway, Oakland, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA8020/15
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, OG, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	*	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

GTEL ENVIRONMENTAL LABORATORIES, INC.