GETTLER-RYAN INC.

July 28, 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 June 22, 1995, field personnel were on-site to gauge nine wells (B, B-1 through B-4, E, EA-1, EA-2 and F) sample seven wells (B-1, B-2, B-4, E, EA-1, EA-2 and F) at Former Chevron Service Station #9-1026 located at 3701 Broadway in Oakland, California.

Static groundwater levels were measured on June 22, 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. Hydrocarbon removal data are 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 Superior Precision Analytical, 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.

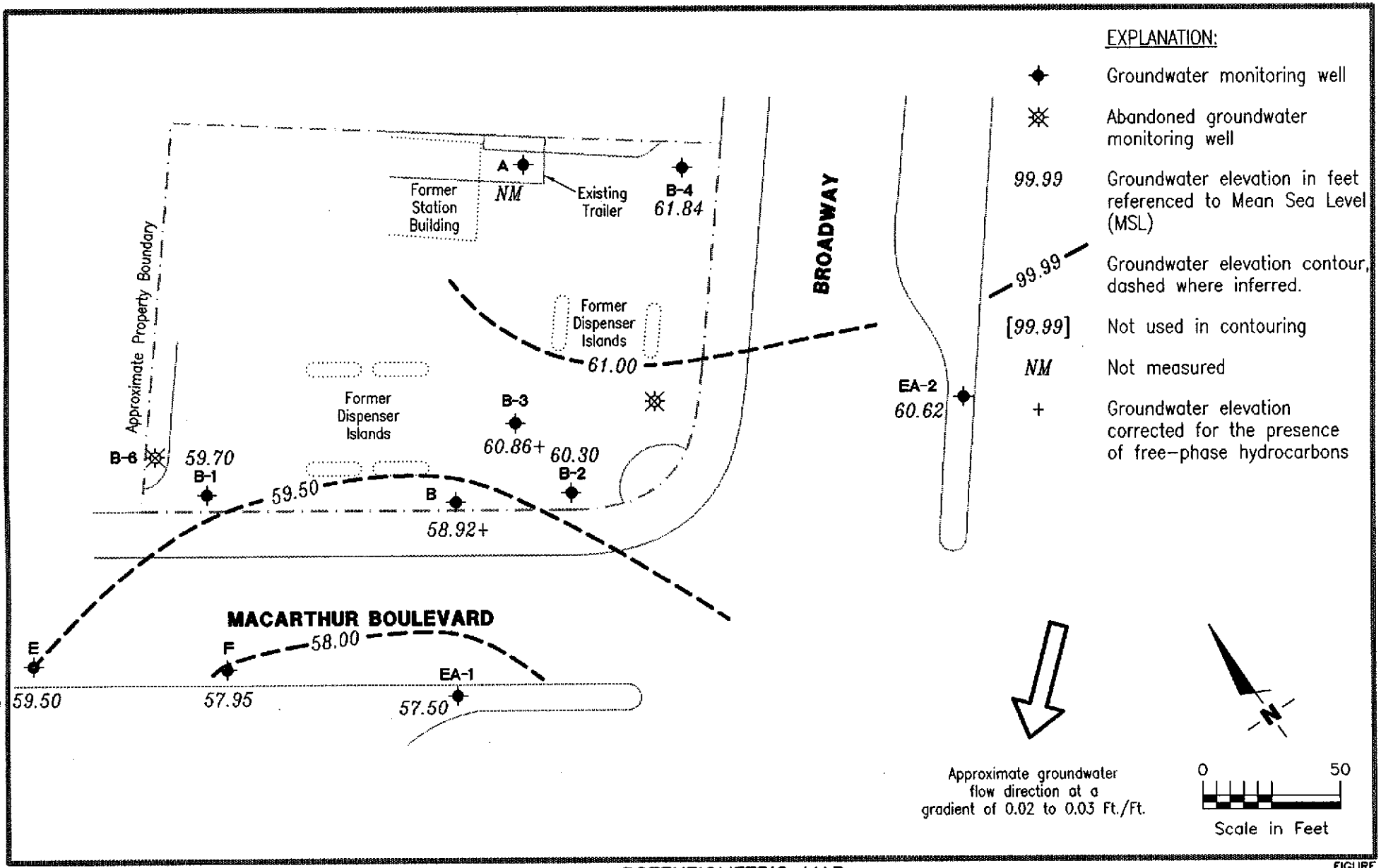
Sincerely,

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/rjb
5127.QML
Figure 1: Potentiometric Map
Table 1: Water Level Data and Groundwater Analytic Results
Table 2: Hydrocarbon Removal Data
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Reports



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

POTENTIOMETRIC MAP
Former Chevron Service Station No. 9-1026
3701 Broadway
Oakland, California

FIGURE
1

JOB NUMBER
5127.80

REVIEWED BY

DATE
June 22, 1995

REVISED DATE

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]	---	---	---	—	---	---	---	---	---
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	0.11	---	---	---	---	---	---
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
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

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	2/8/90	15.56	58.95	0	8015/8020	67,000	28,000	5,900	2,300	11,000
(cont)	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	3,800	1,500	6,800
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	—	—	---	---	---	---
74.13	11/18/92	15.68	58.47	0.03	---	—	—	—	—	—
	3/19/93	13.75	61.24	1.08	—	—	---	—	—	—
	6/10/93	14.79	60.04	0.87	—	—	—	—	—	—

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	9/8/93	15.38	58.81	0.08	---	---	---	---	---	---
(cont)	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**	**1.23**	---	---	---	---	---	---
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**
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

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	11/13/90	14.86	57.80	0	—	—	—	—	—	—
(cont)	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
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	—	—	—	—	—	—
	8/9/90	18.95	53.06	0	—	—	—	—	—	—
	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	—	—	—	—	—	—	—	

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---------->				
71.72	11/18/92	14.85	56.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
F	3/19/93	14.25	57.47	0	8015/8020	<50	<0.5	<0.5	<0.5	<1.5
(cont)	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**
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
	3/9/94	14.38	57.47	0	8015/8020	<50	<0.5	1.0	<0.5	<0.5
	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**
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

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---------->				
75.24	11/9/89	17.41	57.83	0	8015/8020	<500	<0.5	1	<0.5	<0.5
EA-2	2/8/90	16.57	58.67	0	8015/8020	190	<0.3	<0.3	<0.3	<0.6
(cont)	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
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
	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

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)	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

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 March 28, 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.

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
B-3	3/28/95	1.54	2.0
	6/22/95	1.23	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 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: G. Sanchez | DATE: 6-22-95

ADDRESS: 3701 Broadway | JOB #: 5727.80

CITY: Oakland CA | SS#: 9-1026

Well ID: B-1 | Well Condition: OK - no bolts

Well Location Description: Middle of The entrance lot on MacArthur Blvd

Well Diameter: 4 in | Hydrocarbon Thickness: 0

Total Depth: 32.89 ft

Depth to Liquid: 12.60 ft

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

3 # of casing Volume: 20.29 x .66 x(VF) 13.4 #Estimated purge Volume: 40.3 gal.

Purge Equipment: Stack Pump | Sampling Equipment: Disposable Bailer

Did well dewater: NO | If yes, Time: ___ | Volume: ~~22~~

Starting Time: 1205 | Purging Flow Rate: 2 gpm.

Sampling Time: 1230

Time	pH	Conductivity	Temperature	Volume
1212	6.60	1180	72.0	14 gal
1219	6.4	840	70.1	28 gal
1226	6.4	830	70.7	43 gal
1230	6.5	810	70.5	43 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	Superior	Gas BTXE

Comments: Lid does not have bolts

WELL SAMPLING FIELD DATA SHEET

SAMPLER: G. Sanchez | DATE: 6-22-95

ADDRESS: 3701 Broadway | JOB #: 5127.80

CITY: Oakland | SS#: 9-1026

Well ID: B-2 | Well Condition: OK

Well Location Description:

Well Diameter: 2 in | Hydrocarbon Thickness: slight sheen

Total Depth: 18.8 ft

Depth to Liquid: 14.22 ft

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

3 # of casing Volume: 4.58 x .17 x(VF) 1.8 #Estimated purge Volume: 2.4 gal.

Purge Equipment: Stack Pump | Sampling Equipment: Bailer (Disposable)

Did well dewater: NO | If yes, Time: ___ | Volume: 1.5

Starting Time: 1255 | Purging Flow Rate: ___ gpm.

Sampling Time: 1302

Time	pH	Conductivity	Temperature	Volume
1256	6.6	1450	69.3	1.5 gal
1257	6.5	1460	69.4	3.0
1258	6.6	1490	69.6	4.5
1302	6.7	1470	69.4	5.0

Weather Conditions: sunny

Water Color: clear | Odor: strong

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
B-2	3x40ml	Y	HCl	Superior	Ga BTXE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: G. Sanchez | DATE: 6-22-95

ADDRESS: 3701 Broadway | JOB #: 5127.80

CITY: Oakland | SS#: 9-1026

Well ID: B-4 | Well Condition: OK

Well Location Description: next to the planter on Broadway & MacArthur Corner

Well Diameter: 2 in | Hydrocarbon Thickness:

Total Depth: 19.27 ft

Depth to Liquid: 14.59 ft

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

3 # of casing Volume: 4.68 x 0.8 x(VF) .17 #Estimated purge Volume: 2.4 gal.

Purge Equipment: Stack Pump | Sampling Equipment:

Did well dewater: No | If yes, Time: | Volume: 1.5

Starting Time: 1237 | Purging Flow Rate: gpm.

Sampling Time:

Time	pH	Conductivity	Temperature	Volume
1238	6.5	1920	76.1	1.5
1239	6.5	1950	68.7	3.0
1240	6.7	1910	68.3	4.5
1246	6.5	1900	67.8	5.0

Weather Conditions: sunny

Water Color: clear | Odor: none

Sediment Description: none

LABORATORY INFORMATION

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

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: C. Sanchez F. Cline | DATE: 6-22-95

ADDRESS: 3701 Broadway | JOB #: 5127

CITY: Oakland | SS#: 4-1026

Well ID: EA-1 | Well Condition: Clay lid Met Light

Well Location Description: Corner median MacArthur ≈ 100' from Intersection

Well Diameter: 4" in | Hydrocarbon Thickness: 0

Total Depth: 27.34 ft

Depth to Liquid: 14.35 ft

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

# of casing Volume: 3 X 12.95 x 0.66 x(VF) 8.5 | #Estimated purge Volume: 25.7 gal.

Purge Equipment: Suction | Sampling Equipment: Bailer

Did well dewater: N/C | If yes, Time: ___ | Volume: ___

Starting Time: 10:31 | Purging Flow Rate: 3 gpm.

Sampling Time: 10:44

Time	pH	Conductivity	Temperature	Volume
10:34	7.17	1024	21.8	9
10:37	6.65	1028	21.6	18
10:40	6.63	1030	21.7	27
10:44	6.65	1031	21.6	28

Weather Conditions: Sunny clear warm

Water Color: Clear | Odor: None

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
EA-1	3x40ml VOA	Y	HCl	Superior	Long BTX

Comments: ___

WELL SAMPLING FIELD DATA SHEET

SAMPLER: G. Sanchez F. Cline | DATE: 6-22-95

ADDRESS: 3701 Broadway | JOB #: 5127

CITY: Oakland | SS#:

Well ID: EA-2 | Well Condition: OK

Well Location Description: Middle of divider SW on Broadway ≈ 70ft to signal

Well Diameter: 4 in | Hydrocarbon Thickness: ⊖

Total Depth: 29.8 ft

Depth to Liquid: 15.62 ft

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

3 # of casing Volume: 14.18 x .66 x(VF) 9.4 = #Estimated purge Volume: 28.2 gal.

Purge Equipment: Suction | Sampling Equipment: Disposable Bailer

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

Starting Time: 1138 | Purging Flow Rate: 3.1 gpm.

Sampling Time: 1152

Time	pH	Conductivity	Temperature	Volume
1141	7.22	639	20.4	9.3 gal
1144	6.98	705	20.3	18.6 gal
1147	7.02	708	20.3	28.9 gal
1152	7.10	704	20.4	29.5 gal

Weather Conditions: Sunny

Water Color: clear | Odor: none

Sediment Description: none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
EA-2	3x40 ml	X	HCl	Superior	Gas BTXE

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez F. Cline DATE 6-22-95

ADDRESS 3701 Broadway JOB # 5127

CITY Oakland CA SS# 9-1026

Well ID E Well Condition clay N/C Bolts

Well Location Description ≈ 150' North of F in Road MacArthur

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 33.0 ft

Depth to Liquid 10.57 ft

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

# of casing Volume 3 x 22.43 x 0.17 x(VF) 3.8 #Estimated purge Volume 11.4 gal.

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater N/C If yes, Time ___ Volume ___

Starting Time 11:07 Purging Flow Rate 2 gpm.

Sampling Time 1117

Time	pH	Conductivity	Temperature	Volume
11:09	7.04	1140	23.2	9 4
11:11	6.97	1116	22.6	8
11:13	7.00	1168	22.6	12
11:17	6.99	1165	22.6	13

Weather Conditions Sunny clear

Water Color: None clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
F	3x40ml VOA	Y	HCl	Superior	Gas BTXE

Comments

WELL SAMPLING FIELD DATA SHEET

SAMPLER: G. Sanchez F. Cline DATE: 6-22

ADDRESS: 3701 Broadway JOB #: 5127

CITY: Oakland CA SS#: 9-1026

Well ID: F Well Condition: Okay N/o Bolt

Well Location Description: In NB Lane MacArthur ≃ 100' from EA-1

Well Diameter: 2" in Hydrocarbon Thickness: 0

Total Depth: 21.10 ft

Depth to Liquid: 13.77 ft

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

# of casing Volume: 3x 7.33 x 0.17 x(VF) 1.2 #Estimated purge Volume: 3.7 gal.

Purge Equipment: Suction Sampling Equipment: Bailer

Did well dewater: N/C If yes, Time: ___ Volume: ___

Starting Time: 10:49 Purging Flow Rate: 1.5 gpm.

Sampling Time: 10:56

Time	pH	Conductivity	Temperature	Volume
10:50	6.70	1173	25.5	1.5
10:51	6.63	1181	25.4	3.0
10:52	6.68	1169	25.3	4.5
10:56	6.65	1171	25.4	6.0

Weather Conditions: Sunny clear

Water Color: None Odor: None

Sediment Description: None

LABORATORY INFORMATION

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

Comments: ___

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 81995

Chain-of-Custody-Record

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

Chevron Facility Number: 9-1026
Facility Address: 3701 Broadway Oakland
Consultant Project Number: 5127.80
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): 842-8134
Laboratory Name: Superior
Laboratory Release Number: 2719440
Samples Collected by (Name): Guadalupe Sanchez
Collection Date: 6-22-95
Signature: Guadalupe Sanchez

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	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)						DO NOT BILL TB-LB ANALYSIS Remarks
								Analyses To Be Performed													
TB-LB		2	W	G	–	HCl	Y														Analyze in order
EA-1		3			10:44																
F					10:56																
E					11:17																
EA-2					11:52																
B-1					12:30																
B-4					12:46																
B-2					13:02																

9 yes Cold Hand delivered

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Guadalupe Sanchez	G/R	6-22-95 1540			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G/R	6-22-95 1637			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
				6/22/95	16:37

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

Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
6747 SIERRA CT, SUITE G
DUBLIN, CA 94568

Date: July 5, 1995

Attn: ARGY LEYTON

Laboratory Number : 81995

Project Number/Name : 5127.80

This report has been reviewed and

approved for release.

Senior Chemist
Account Manager

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5127.80
Reported on June 30, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 81995

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TB-LB	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	01
EA-1	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	02
F	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	03
E	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	04
EA-2	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	05
B-1	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	06
B-4	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	07
B-2	06/22/95	06/22/95	06/26/95	06/26/95	BF261.05	08

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BF261.05-00	Method Blank	MB		Water	06/26/95	06/26/95
BF261.05-03	JPG-MW1	MS	81996-01	Water	06/26/95	06/26/95
BF261.05-04	JPG-MW1	MSD	81996-01	Water	06/26/95	06/26/95

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1517 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5127.80
Reported on June 30, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
81995-01	TB-LB	Water	1.0	-
81995-02	EA-1	Water	1.0	-
81995-03	F	Water	1.0	-
81995-04	E	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	81995-01 Conc. ug/L	RL	81995-02 Conc. ug/L	RL	81995-03 Conc. ug/L	RL	81995-04 Conc. ug/L	RL
Gasoline_Range	ND	50	ND	50	ND	50	ND	50
Benzene	ND	0.5	2.0	0.5	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	91		90		92		91	

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5127.80
Reported on June 30, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
81995-05	EA-2	Water	1.0	-
81995-06	B-1	Water	1.0	-
81995-07	B-4	Water	100.0	-
81995-08	B-2	Water	100.0	-

R E S U L T S O F A N A L Y S I S

Compound	81995-05 Conc. ug/L	RL	81995-06 Conc. ug/L	RL	81995-07 Conc. ug/L	RL	81995-08 Conc. ug/L	RL
Gasoline_Range	300	50	340	50	33000	5000	89000	5000
Benzene	ND	0.5	73	0.5	12000	50	21000	50
Toluene	3.7	0.5	3.1	0.5	84	50	3800	50
Ethyl Benzene	ND	0.5	2.4	0.5	650	50	1500	50
Total Xylenes	0.6	0.5	7.5	0.5	150	50	6800	50
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	114		124		92		104	

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81995
Method Blank(s)

	BF261.05-00 Conc. ug/L	RL
Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	ND	0.5
>> Surrogate Recoveries (%) <<		
Trifluorotoluene (SS)	94	

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 81995

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
		For Water Matrix (ug/L)				
		BF261.05 03 / 04 - Sample Spiked: 81996 - 01				
Gasoline_Range	ND	320	290/290	91/91	65-135	0
Benzene	ND	20	19/19	95/95	65-135	0
Toluene	ND	20	19/20	95/100	65-135	5
Ethyl Benzene	ND	20	22/22	110/110	65-135	0
Total Xylenes	ND	60	58/58	97/97	65-135	0
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				96/99	50-150	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Certified Laboratories

825 Arnold Dr., Suite 114
Martinez, California 94553
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I
San Francisco, California 94124
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24
Seattle, Washington 98108
(206) 763-2992 / fax (206) 763-8429