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Chevron

December 5, 1994

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

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

Mr. Scott Seery
Alameda County Environmental Health
1131 Harbor Way Pkwy, 2nd Flr.
Alameda, CA 94502-5677

Re: Chevron Service Station No. 9-8139
16304 Foothill Rd., San Leandro, California

Dear Mr. Seery :

Nearly all the monitoring wells with the exception of MW-3 were either non-detect or relatively close to the detection limit for TPH-G and BTEX. Well MW-8 and MW-10 which detected TPH-G and/or BTEX were both non-detect for these constituents. There is one anomaly MW-1 which detected TPH-G and BTEX. This well has historically been non-detect for these constituents.

and MW-9

Please refer to the enclosed monitoring and sampling report from Sierra Environmental Services report dated November 21, 1994. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

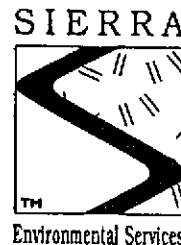
Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-8139R14

cc: Mr. Kevin Graves
RWQCB-S.F. Bay Region
2101 Webster Str., Suite 500
Oakland, CA 94612

Mr. Steve Willer
Chevron U.S.A. Products Co.



November 21, 1994

Kenneth Kan
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California
SES Project #1-289-04

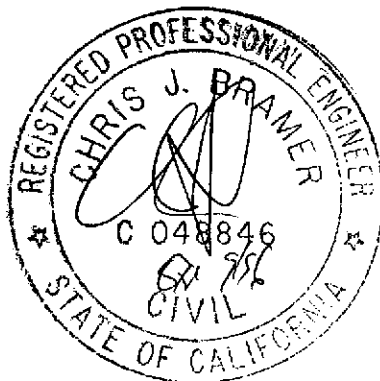
Dear Mr. Kan:

This report presents the results of the quarterly ground water sampling at Chevron Service Station #9-8139, located at 16304 Foothill Boulevard in San Leandro, California. Nine wells, MW-1 through MW-3, MW-6 through MW-11, were sampled (Figure 1).

On October 25, 1994, SES personnel visited the site. Water level measurements were collected in all site wells and all wells were checked for the presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 and ground water elevation contours are included on Figure 1.

The ground water samples were collected on October 25, 1994, in accordance with SES Standard Operating Procedure - Ground Water Sampling (attached). The field water sampling forms for this event are included. All analyses were performed by GTEL of Concord, California. Analytic results for ground water are presented in Tables 1 and 2. The chain of custody document and laboratory analytic reports are attached. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.



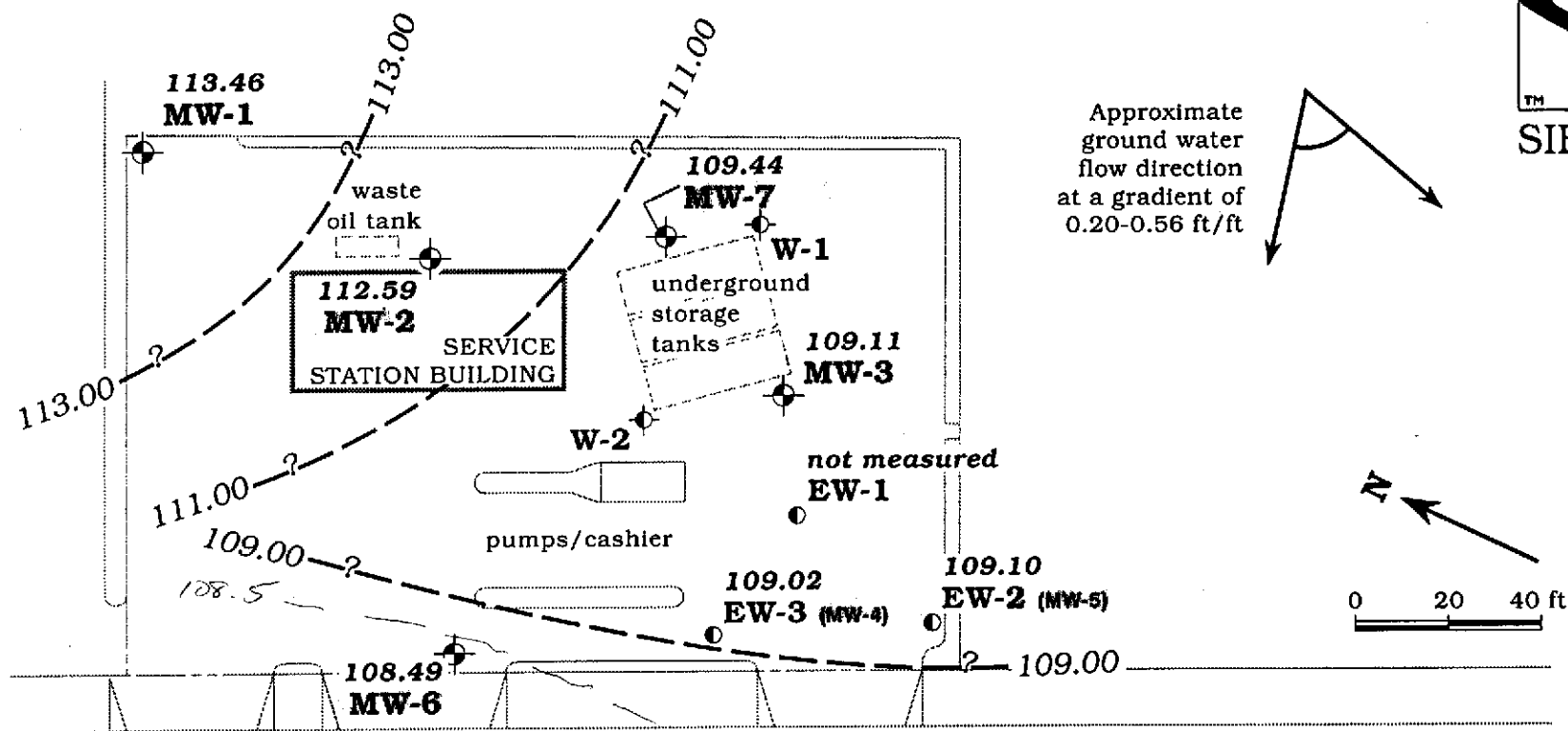
Sincerely,
Sierra Environmental Services

Luda Chernyak
Staff Technician

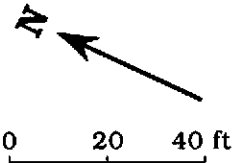
Chris J. Bramer
Professional Engineer #C48846

LAC/CJB/lmo
28904QM.NO4




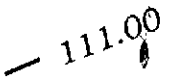
- Attachments Figure
- Tables
- SES Standard Operating Procedure
- Field Water Sampling Forms
- Chain of Custody Document and Laboratory Analytic Reports



Approximate ground water flow direction at a gradient of 0.20-0.56 ft/ft



EXPLANATION

-  **MW-11** Monitoring well
-  **EW-3** Extraction well (former well designation) (MW-4)
-  **W-2** Observation well
- 108.54** Ground water elevation, in feet
-  **111.00** Ground water elevation contour, dashed where inferred, queried where uncertain

FOOTHILL BOULEVARD

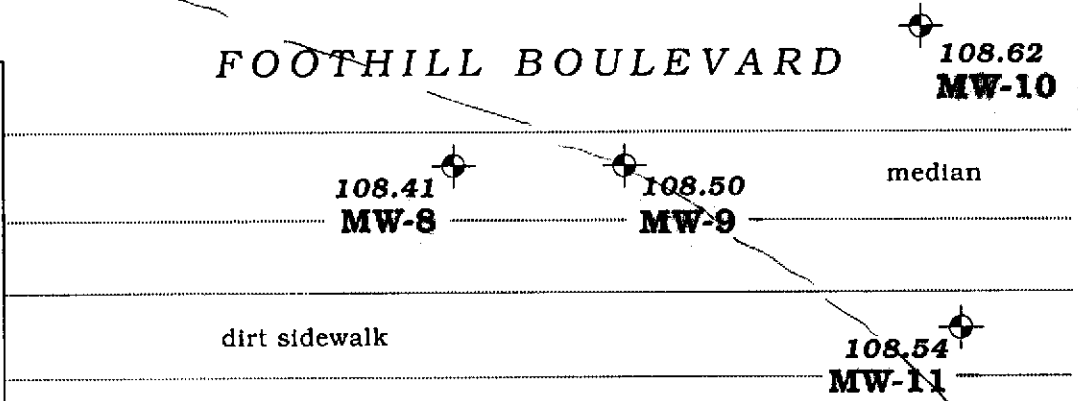


Figure 1. Monitoring Well Locations and Ground Water Elevation Contour Map - October 25, 1994 - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California



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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	←-----ppb-----→				
							B	T	E	X	EDB
MW-1/ 127.09	12/5/89	---	---	---	8015/8020/413/504 ^{1,2}	<500	<0.5	<0.5	<0.5	<0.5	<0.5
	3/23/90	12.92	114.17	0	---	---	---	---	---	---	
	5/24/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	9/6/90	14.68	112.41	0	8015/8020/504	<50	<0.5	0.8	<0.5	0.5	
	9/25/90	15.01	112.08	0	---	---	---	---	---	---	
	11/29/90	14.82	112.27	0	8015/8020	<50	0.7	0.9	<0.5	1	
	2/20/91	14.29	112.80	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	4/19/91	12.16	114.93	0	---	---	---	---	---	---	
	5/22/91	13.69	113.40	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	8/22/91	15.38	111.71	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	11/13/91	15.80	111.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	1/30/92	14.71	112.38	0	8015/8020	<50	0.5	<0.5	<0.5	0.5	
	4/23/92	12.22	114.87	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	7/27/92	14.30	112.79	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	10/26/92	15.90	111.19	0	8015/8020	<50	0.6	<0.5	<0.5	<0.5	
	1/29/93	10.51	116.58	0	8015/8020	<50	3	3	0.7	3	
	4/30/93	9.90	117.19	0	8015/8020	<50	<0.5	0.7	<0.5	1	
	7/14/93	12.28	114.81	0	8015/8020	<50	0.7	1	<0.5	3	
	10/27/93	15.53	111.56	0	8015/8020	<50	0.9	2	<0.5	2	
	1/13/94	12.24	114.85	0	8015/8020	<50	<0.5	0.9	<0.5	<0.5	
4/22/94	12.91	114.18	0	8015/8020	<50	1.1	2.6	1.0	5.5		
7/29/94	12.75	114.34	0	8015/8020	<50	<0.5	0.9	<0.5	<0.5		
10/25/94	13.63	113.46	0	8015/8020	100	0.6	1.6	<0.5	4.1		
MW-2/ 125.98	12/5/89	---	---	---	8015/8020/413/504 ^{1,2}	<500	<0.5	<0.5	<0.5	0.9	<0.5
	3/23/90	12.40	113.58	0	---	---	---	---	---	---	
	5/24/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	9/6/90	14.85	111.13	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	
	9/25/90	14.80	111.18	0	---	---	---	---	---	---	
	11/29/90	14.40	111.58	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	2/20/91	14.09	111.89	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	4/19/91	12.62	113.36	0	---	---	---	---	---	---	
	5/22/91	12.98	113.00	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	8/22/91	14.93	111.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	11/13/91	15.42	110.56	0	8015/8020	58	<0.5	0.5	0.7	2.3	
	1/30/92	14.70	111.28	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	4/23/92	13.83	112.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	
	7/27/92	15.30	110.68	0	8015/8020	<50	<0.5	<0.5	<0.5	1.1	



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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <-----	-----ppb----->					EDB
							B	T	E	X		
MW-2 (cont)	10/26/92	15.62	110.36	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	
	1/29/93	9.26	116.72	0	8015/8020	<50	3	8	1	5	---	
	4/30/93	9.66	116.32	0	8015/8020	<1,300	<13	<13	<13	<13	---	
	7/14/93	11.90	114.08	0	8015/8020	<50	0.8	2	0.8	4	---	
	10/27/93	13.49	112.49	0	8015/8020	<50	1	2	1	2	---	
	1/13/94	11.99	113.99	0	8015/8020	<50	<0.5	0.6	<0.5	<0.5	---	
	4/22/94	12.73	113.25	0	8015/8020	<50	0.6	<0.5	<0.5	1.7	---	
	7/29/94	12.30	113.68	0	8015/8020	<50	<0.5	0.9	<0.5	<0.5	---	
	10/25/94	13.39	112.59	0	8015/8020	<50	<0.5	0.8	<0.5	2.1	---	
MW-3/ (d)	12/5/89	---	---	---	8015/8020/504	24,000	2,400	1,800	360	2,600	<0.5	
	12/5/89	---	---	---	8015/8020/413/504 ²	24,000	2,500	1,900	390	2,600	<0.5	
127.84	3/23/90	17.50	110.34	0	---	---	---	---	---	---		
	5/24/90	---	---	---	8015/8020	9,000	2,600	1,700	250	1,500	---	
(d)	5/24/90	---	---	---	8015/8020	10,000	2,600	1,800	260	1,600	---	
126.77	9/6/90	18.72	108.05	0	8015/8020/504	3,500	900	550	110	460	<0.5	
	9/25/90	18.40	108.37	0	---	---	---	---	---	---	---	
	11/29/90	18.97	107.80	0	8015/8020	9,200	1,100	1,100	210	1,100	---	
	2/20/91	19.20	107.57	0	8015/8020	8,800	960	780	200	920	---	
	4/19/91	17.81	108.96	0	---	---	---	---	---	---	---	
	5/22/91	17.88	108.89	0	8015/8020	28,000	5,800	1,200	460	2,300	---	
	8/1/91	19.23	107.54	0	---	---	---	---	---	---	---	
	8/22/91	20.17	106.60	0	8015/8020	21,000	3,100	2,000	480	2,000	---	
(d)	8/22/91	---	---	---	8015/8020	19,000	2,700	1,800	420	1,700	---	
	11/13/91	19.95	106.82	0	8015/8020	18,000	2,400	1,200	450	2,200	---	
	1/30/92	19.14	107.63	0	8015/8020	18,000	3,800	920	700	2,600	---	
	4/23/92	17.75	109.02	0	8015/8020	46,000	5,000	1,900	1,000	3,500	---	
	7/27/92	19.00	107.77	0	8015/8020	26,000	4,900	1,100	1,200	3,600	---	
	10/26/92	19.62	107.15	0	8015/8020	6,600	1,100	41	220	570	---	
	1/29/93	15.95	110.82	0	8015/8020	32,000	5,900	2,900	1,300	5,000	---	
	4/30/93	15.67	111.10	0	8015/8020	14,000 ⁴	6,100	98	870	2,400	---	
	7/14/93	16.83	109.94	0	8015/8020	12,000 ⁴	3,100	1,100	720	2,900	---	
	10/27/93	17.70	109.07	0	8015/8020	19,000	7,800	400	1,500	3,400	---	
	1/13/94	16.54	110.23	0	8015/8020	51,000	3,700	140	720	1,800	---	
	4/22/94	17.02	109.75	0	8015/8020	22,000 ⁴	9,300	89	1,200	2,400	---	
	7/29/94	16.95	109.82	0	8015/8020	13,000	4,700	44	580	420	---	
	10/25/94	17.66	109.11	0	8015/8020	24,000	8,700	52	1,500	1,400	---	



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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
MW-4/ 125.22	12/5/89	---	---	---	8015/8020/504	19,000	390	1,300	460	1,800	<0.5
	3/23/90	16.02	109.20	0	---	---	---	---	---	---	---
	5/24/90	---	---	---	8015/8020	4,500	210	440	140	480	---
	9/6/90	17.35	107.87	0	8015/8020/504	6,000	680	520	170	580	<0.5
	9/25/90	17.48	107.74	0	---	---	---	---	---	---	---
	11/29/90	17.61	107.61	0	8015/8020	15,000	800	1,000	430	1,700	---
	2/20/91	17.81	107.41	0	8015/8020	15,000	640	390	420	1,600	---
	(d) 2/20/91	---	---	---	8015/8020	15,000	680	410	430	1,600	---
	4/19/91	15.80	109.42	0	---	---	---	---	---	---	---
	5/22/91 ⁶	16.68	108.54	0	8015/8020	9,800	580	140	310	740	---
(d) 5/22/91	---	---	---	8015/8020	7,200	520	130	270	670	---	
MW-5/ 125.85	3/23/90	16.89	108.96	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	28,000	920	1,100	460	1,300	2.4
	9/7/90	18.46	107.42 ⁵	0.04	8015/8020	---	---	---	---	---	---
	11/29/90	18.87	107.54 ⁵	0.71	8015/8020	---	---	---	---	---	---
	2/20/91	18.91	107.31 ⁵	0.47	8015/8020	---	---	---	---	---	---
	4/19/91	16.99	109.24 ⁵	0.48	---	---	---	---	---	---	---
	9/25/90	19.30	107.58 ⁵	1.3	---	---	---	---	---	---	---
	5/22/91 ⁶	17.69	108.42 ⁵	0.33	8015/8020	---	---	---	---	---	---
MW-6/ 124.18	3/23/90	18.51	105.67	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.02
	9/7/90	16.18	108.00	0	8015/8020/504	<50	<2	<3	<3	<3	<0.05
	9/25/90	16.42	107.76	0	---	---	---	---	---	---	---
	11/29/90	16.11	108.07	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.05
	2/20/91	16.09	108.09	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	15.15	109.03	0	---	---	---	---	---	---	---
	5/22/91	15.41	108.77	0	8015/8020	<50	0.5	0.7	<0.5	1.1	---
	8/23/91	17.80	106.38	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/91	16.52	107.66	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.02
	(d) 11/14/91	---	---	---	8015/8020/504	<50	<0.5	0.6	<0.5	1.1	<0.05
	1/31/92	16.48	107.70	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	(d) 1/31/92	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
4/23/92	16.20	107.98	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---	



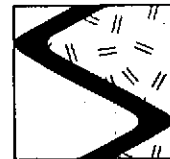
Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) B T E X EDB					
						-----ppb-----					
MW-6 (d) (cont)	4/23/92	---	---	---	8015/8020	---	---	---	---	---	---
	7/27/92	16.52	107.66	0	8015/8020	<50	1.2	0.6	<0.5	1.9	---
	10/26/92	17.12	107.06	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	13.13	111.05	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/30/93	14.86	109.32	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	---
	7/14/93	14.61	109.57	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/93	15.38	108.80	0	8015/8020	<50	0.9	1	0.6	1	---
	1/13/94	15.34	108.84	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	15.07	109.11	0	8015/8020	<50	<0.5	<0.5	<0.5	2.5	---
	7/29/94	15.30	108.88	0	8015/8020	<50	7.5	1.2	1.0	1.1	---
	10/25/94	15.69	108.49	0	8015/8020	<50	<0.5	<0.5	<0.5	4.2	---
MW-7/ 126.86 (d)	3/23/90	21.40	105.46	0	---	---	---	---	---	---	---
	5/25/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.02
	9/7/90	18.38	108.48	0	---	---	---	---	---	---	---
	9/25/90	19.25	107.61	0	---	---	---	---	---	---	---
	9/27/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.05
	9/27/90	---	---	---	8015/8020/504	<50	<2	<3	<3	<3	<0.05
	11/29/90	18.55	108.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	2/20/91	18.55	108.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	17.33	109.53	0	---	---	---	---	---	---	---
	5/22/91	17.42	109.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	8/22/91	19.05	107.81	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/13/91	21.84	105.02	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	22.42	104.44	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/23/92	22.04	104.82	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	22.24	104.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	22.11	104.75	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	17.07	109.79	0	8015/8020	<50	4	13	2	8	---
	4/30/93	14.86	112.00	0	8015/8020	<50	<0.5	<0.5	<0.5	0.6	---
	7/14/93	16.10	110.76	0	8015/8020	<50	<0.5	1	<0.5	2	---
	10/27/93	18.71	108.15	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
1/13/94	17.89	108.97	0	8015/8020	<50	<0.5	0.9	<0.5	1	---	
4/22/94	16.94	109.92	0	8015/8020	<50	<0.5	<0.5	<0.5	1.3	---	
7/29/94	16.70	110.16	0	8015/8020	74	19	8.2	7.8	11	---	
	10/25/94	17.42	109.44	0	8015/8020	<50	<0.5	0.6	<0.5	1.6	---



Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

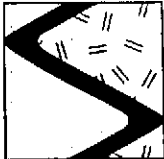
Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	-----ppb----->					
						TPPH(G)	B	T	E	X	EDB
MW-8/ 123.61	9/7/90	16.07	107.54	0	8015/8020/504	<50	<0.5	<0.5	<0.5	<0.5	<0.05
	9/25/90	16.20	107.41	0	---	---	---	---	---	---	---
	11/29/90	16.30	107.31	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
(d)	11/29/90	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	2/20/91	16.32	107.29	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/19/91	14.71	108.90	0	---	---	---	---	---	---	---
	5/22/91	15.42	108.19	0	8015/8020	<50	0.6	<0.5	<0.5	1	---
	8/22/91	17.15	106.46	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	11/14/91	16.99	106.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/30/92	16.30	107.31	0	8015/8020	<50	1	0.7	<0.5	1.1	---
	4/23/92	15.05	108.56	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/27/92	16.08	107.53	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/26/92	16.72	106.89	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/29/93	12.82	110.79	0	8015/8020	1,400	470	470	37	160	---
	4/30/93	13.54	110.07	0	8015/8020	1,600	<13	15	18	29	---
	7/14/93	14.65	108.96	0	8015/8020	<50	<0.5	0.7	<0.5	2	---
	10/27/93	15.04	108.57	0	8015/8020	<50	3	4	2	4	---
	1/13/94	15.14	108.47	0	8015/8020	<50	<0.5	4	<0.5	<0.5	---
	4/22/94	15.01	108.60	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/28/94	14.70	108.91	0	8015/8020	69	7.3	18.0	3.3	12	---
	10/25/94	15.20	108.41	0	8015/8020	<50	<0.5	0.8	<0.5	1.6	---
MW-9/ 124.20	8/22/91	17.60	106.60	0	8015/8020/504	9,600	46	170	98	1,200	<0.05
	11/14/91	17.48	106.72	0	8015/8020/504	11,000	130	58	86	1,500	<0.05
	1/30/92	16.71	107.49	0	8015/8020	11,000	210	29	110	1,900	---
	4/23/92	15.23	108.97	0	8015/8020	17,000	180	25	100	1,900	---
	7/27/92	16.72	107.48	0	8015/8020	2,800	59	1.6	18	280	---
	10/26/92	17.22	106.98	0	8015/8020	3,200	38	<0.5	19	200	---
	1/29/93	13.39	110.81	0	8015/8020	1,300	23	6	8	100	---
	4/30/93	14.00	110.20	0	8015/8020	<1,300	<13	<13	<13	58	---
	7/14/93	15.08	109.12	0	8015/8020	1,300	25	4	15	120	---
	10/27/93	15.62	108.58	0	8015/8020	1,100	21	10	19	73	---
	1/13/94	15.59	108.61	0	8015/8020	80	0.7	3	0.6	3	---
	4/22/94	15.43	108.77	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/29/94	15.20	109.00	0	8015/8020	1,400	19	11	11	69	---
	10/25/94	15.70	108.50	0	8015/8020	1,200	11	2.0	7.6	28	---



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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	B	T	E	X	EDB
						-----ppb-----					
Bailer Blank	1/29/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
BB	4/30/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	7/14/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	10/27/93	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	1/13/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---
	4/22/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5	---



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Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California (continued)

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
TPH(D) = Total Petroleum Hydrocarbons as Diesel
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
EDB = Ethylene Dibromide
ppb = Parts per billion
(d) = Duplicate sample
--- = Not applicable/Not measured

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
8015 = Modified EPA Method 8015 for TPH(D)
8020 = EPA Method 8020 for BTEX
413 = Method 413 for O&G
504 = EPA Method 504 for EDB

NOTES:

All top of casing elevations compiled from Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.

Analytic data prior to January 15, 1993 compiled from Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.

* Product thickness was measured on and after January 29, 1993 with an MMC flexi-dip interface probe.

¹ TPH(D) analyzed during this event. Not detected at detection limits of 1,000 ppb.

² O&G analyzed during this event. Not detected at detection limit of 5,000 ppb.

³ Detection limit raised due to surfactants in sample.

⁴ Uncategorized compound not included in gasoline hydrocarbon concentration.

⁵ Ground water elevation level corrected for the presence of free-phase hydrocarbons using assumed density of 0.79. Compiled from the Quarterly Ground Water Monitoring Report prepared for Chevron by Burlington Environmental Inc., December 3, 1992.

⁶ Monitoring well was converted to a ground water extraction well on June 10, 1991. MW-4 was redesignated EW-3. MW-5 was redesignated EW-2.



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Table 2. Analytic Results for Halogenated Volatile Organic Compounds - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California

Well ID	Date Sampled	Analytic Lab	Analytic Method	C	BR	BDM	DBM	Other HVOC's
MW-2	4/30/93	GTEL	8010	77	<0.5	<0.5	<0.5	ND ¹

EXPLANATION:

C = Chloroform
BR = Bromoform
BDM = Bromodichloromethane
DBM = Dibromochloromethane
HVOC = Halogenated Volatile Organic Compound
ND = Not detectable
--- = Not analyzed/Not applicable
ppb = Parts per billion

ANALYTIC METHODS:

8010 = EPA Method 8010 for HVOC's.

ANALYTIC LABORATORIES:

GTEL = Groundwater Technology Environmental Laboratories, Inc.
of Concord and Torrance, California.

NOTES:

¹ Other HVOC's not detected at detection limits of 0.5 to 1.0 ppb.



SES STANDARD OPERATING PROCEDURE GROUND WATER SAMPLING

The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

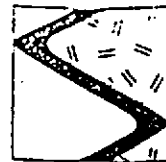
Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed $\pm 0.5^\circ\text{F}$, 0.1 or 5%, respectively).

The purge water is taken to Chevron's Richmond Refinery for disposal.

Ground water samples are collected from the wells with Chevron designated disposable bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C) for transport under chain of custody to the laboratory.

The chain of custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

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



SIERRA

WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number MW-1 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description N.E. Corner of Lot. Well Depth (spec.) _____
 Depth to Water (static) 13.63 Well Depth (sounded) 28.0
 Initial height of water in casing 14.37 Volume 2.34 gallons
 Volume to be purged _____ gallons
 Purged With PUMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 V_{2"} casing = 0.163 gal/ft
 V_{3"} casing = 0.367 gal/ft
 V_{4"} casing = 0.653 gal/ft
 V_{4.5"} casing = 0.826 gal/ft
 V_{6"} casing = 1.47 gal/ft
 V_{8"} casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
8:59							
	9:02	3	3	11.51	69.7	0.58	x 1,000
	9:04	2	5	11.19	69.1	0.49	
	9:06	2	7	11.01	68.9	0.47	↓

SAMPLES COLLECTED Time 9:10 Total volume purged (gal.) 7
 Water color CLEAR Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size. u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-1	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



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WATER SAMPLING DATA

Job Name SAN LEANORO

Job Number 1-289-04

Sampler DB

Well Number MW-2

Date 10-25-94

Well Diameter 2'

Sample Point Location/Description BEHIND SERVICE STATION

Well Depth (spec.) _____

Depth to Water (static) 13.39

Well Depth (sounded) 30.0

Initial height of water in casing 16.61

Volume 2.7 gallons

Volume to be purged _____

8 gallons

Purged With PUMP

Sampled With DISP. BAILER

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2.5}^{\circ}$ casing = 0.163 gal/ft
 $V_{3.0}^{\circ}$ casing = 0.367 gal/ft
 $V_{4.0}^{\circ}$ casing = 0.653 gal/ft
 $V_{4.5}^{\circ}$ casing = 0.826 gal/ft
 $V_{5.0}^{\circ}$ casing = 1.47 gal/ft
 $V_{6.0}^{\circ}$ casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
9:32							
	9:35	3	3	8.29	65.7	.52	X 1,000
	9:38	3	6	8.02	67.0	.57	↓
	9:40	2	8	7.82	67.5	.63	↓

SAMPLES COLLECTED Time 9:48

Total volume purged (gal.) 8

Water color CLEAR

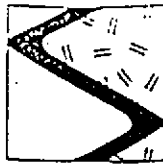
Odor NONE

Description of sediments or material in sample: _____

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-2	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



SIERRA

WATER SAMPLING DATA

Job Name SAN LEANDE

Job Number 1-789.04

Sampler DB

Well Number MW-3

Date 10.25-94

Well Diameter 2"

Sample Point Location/Description WEST OF U.S.T.

Well Depth (spec.) _____

Depth to Water (static) 17.66

Well Depth (sounded) 26.0

Initial height of water in casing 8.34

Volume 1.35 gallons

Volume to be purged _____

4 gallons

Purged With PUMP

Sampled With DISP. BALL

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions

r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2"}$ casing = 0.163 gal/ft
 $V_{3"}$ casing = 0.367 gal/ft
 $V_{4"}$ casing = 0.653 gal/ft
 $V_{4.5"}$ casing = 0.826 gal/ft
 $V_{6"}$ casing = 1.47 gal/ft
 $V_{8"}$ casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
13:57				6.72			
	13:59	2	2	FF:	71.2	.79	x 1,000
	14:00	1	3	6.74	↓	.87	↓
	14:01	1	4	6.74	↓	.81	↓

SAMPLES COLLECTED Time 14:10

Total volume purged (gal.) 5

Water color CLEAR

Odor SLIGHT HYDROCARBONS

Description of sediments or material in sample: _____

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-3	3	1	—	HCl	YES	GTEL	6/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04
 Well Number MW-6 Date 10-25-94
 Sample Point Location/Description NW. of RAMP ISLAND
 Depth to Water (static) 15.69 Well Depth (sounded) 29.0
 Initial height of water in casing 13.3 Volume 2.1 gallons
 Volume to be purged 7 gallons
 Purged With RAMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time After gallons
 Water level at sampling Percent Recovery

Sampler DB
 Well Diameter 2"
 Well Depth (spec.)

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2"}^{casing}$ = 0.163 gal/ft
 $V_{3"}^{casing}$ = 0.367 gal/ft
 $V_{4"}^{casing}$ = 0.653 gal/ft
 $V_{4.5"}^{casing}$ = 0.826 gal/ft
 $V_{5"}^{casing}$ = 1.47 gal/ft
 $V_{6"}^{casing}$ = 2.61 gal/ft

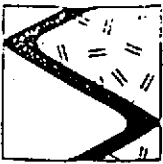
CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
10:01							
	10:03	3	3	7.63	67.1	.56	x1,000
	10:05	2	5	7.60	68.4	.58	↓
	10:07	2	7	7.61	69.1	.58	↓

SAMPLES COLLECTED Time 10:15 Total volume purged (gal.) 7
 Water color CLEAR Odor NONE
 Description of sediments or material in sample:
 Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-6	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other ; 6 = Other



SIERRA

WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number MW-7 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description EAST OF U.S.T. Well Depth (spec.) _____
 Depth to Water (static) 17.42 Well Depth (sounded) 216.0
 Initial height of water in casing 8.58 Volume 1.39 gallons
 Volume to be purged 4 gallons
 Purged With PUMP Sampled With DISP. BAILEY
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 V_{2"} casing = 0.163 gal/ft
 V_{3"} casing = 0.367 gal/ft
 V_{4"} casing = 0.653 gal/ft
 V_{4.5"} casing = 0.826 gal/ft
 V_{6"} casing = 1.47 gal/ft
 V_{8"} casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
13:34							
	13:35	2	2	7.45	69.2	.63	1,000
	13:36	1	3	7.51	69.8	.64	↓
	13:37	1	4	7.53	69.7	.62	↓

SAMPLES COLLECTED Time 13:45 Total volume purged (gal.) 5
 Water color CLEAR Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-7	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04
 Well Number MW-8 Date 10-25-94
 Sample Point Location/Description N. ON MEDIAN, FORMULA BLVD.
 Depth to Water (static) 15.20 Well Depth (sounded) 31.0
 Initial height of water in casing 15.8 Volume 2.57 gallons
 Volume to be purged 8 gallons
 Purged With PUMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time After gallons
 Water level at sampling Percent Recovery

Sampler DB
 Well Diameter 2"
 Well Depth (spec.)

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft^3
 $V_{2"} \text{ casing} = 0.163 \text{ gal/ft}$
 $V_{3"} \text{ casing} = 0.367 \text{ gal/ft}$
 $V_{4"} \text{ casing} = 0.653 \text{ gal/ft}$
 $V_{4.5"} \text{ casing} = 0.826 \text{ gal/ft}$
 $V_{6"} \text{ casing} = 1.47 \text{ gal/ft}$
 $V_{8"} \text{ casing} = 2.61 \text{ gal/ft}$

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
11:08							
	11:10	3	3	7.60	68.0	.61	x 1,000
	11:13	3	6	7.55	69.0	.61	
	11:15	2	8	7.55	69.4	.62	↓

SAMPLES COLLECTED Time 11:25 Total volume purged (gal.) 9
 Water color clear Odor none
 Description of sediments or material in sample:
 Additional Comments:

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-8	3	1	-	HCl	YES	GTEL	GM/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other ; 6 = Other



WATER SAMPLING DATA

Job Name SAN LEANDRO

Job Number 1-289-04

Sampler DB

Well Number MW-9

Date 10.25.94

Well Diameter 2"

Sample Point Location/Description S. ON MEDIAN, FOOTHILL BLVD.

Well Depth (spec.) _____

Depth to Water (static) 15.70

Well Depth (sounded) 27.0

Initial height of water in casing 11.3

Volume 1.8 gallons

Volume to be purged _____ gallons

6 gallons

Purged With PUMP

Sampled With DISP. BAILEY

Pumped or Bailed Dry? Yes No

Time _____ After _____ gallons

Water level at sampling _____

Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 $V_{2"} \text{ casing} = 0.163 \text{ gal/ft}$
 $V_{3"} \text{ casing} = 0.367 \text{ gal/ft}$
 $V_{4"} \text{ casing} = 0.653 \text{ gal/ft}$
 $V_{4.5"} \text{ casing} = 0.826 \text{ gal/ft}$
 $V_{6"} \text{ casing} = 1.47 \text{ gal/ft}$
 $V_{8"} \text{ casing} = 2.61 \text{ gal/ft}$

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
11:41							
	11:43	2	2	7.43	68.2	.90	x 1,000
	11:45	2	4	7.45	69.2	.92	
	11:47	2	6	7.46	69.4	.94	

SAMPLES COLLECTED Time 11:50 Total volume purged (gal.) 6

Water color CLEAR Odor NEW

Description of sediments or material in sample: _____

Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-9	3	1	-	HCl	YES	GTEL	GMS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number MW-10 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description N. ROAD LINE FORTY ELEV. Well Depth (spec.) _____
 Depth to Water (static) 16.41 Well Depth (sounded) 36.0
 Initial height of water in casing 13.59 Volume 2.21 gallons
 Volume to be purged 7 gallons
 Purged With PUMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 V_{2"} casing = 0.163 gal/ft
 V_{3"} casing = 0.367 gal/ft
 V_{4"} casing = 0.653 gal/ft
 V_{4.5"} casing = 0.826 gal/ft
 V_{6"} casing = 1.47 gal/ft
 V_{8"} casing = 2.61 gal/ft

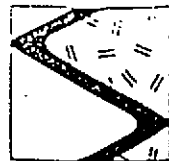
CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	F. Temp (°F)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
12:34							
	12:36	2	2	7.23	67.0	.77	x 1,000
	12:38	2	4	7.23	68.0	.80	↓
	12:41	3	7	7.25	68.7	.82	↓

SAMPLES COLLECTED Time 12:50 Total volume purged (gal.) 8
 Water color CLEAR Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-10	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



SIERRA

WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number MW-11 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description South of Fort Hill Blvd. Well Depth (spec.) _____
 Depth to Water (static) 14.38 Well Depth (sounded) 29.0
 Initial height of water in casing 14.62 Volume 2.38 gallons
 Volume to be purged 7 gallons
 Purged With Pump Sampled With DISP. BAUER
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2"}$ casing = 0.163 gal/ft
 $V_{3"}$ casing = 0.367 gal/ft
 $V_{4"}$ casing = 0.653 gal/ft
 $V_{4.5"}$ casing = 0.826 gal/ft
 $V_{6"}$ casing = 1.47 gal/ft
 $V_{8"}$ casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp ^F	Specific Conductance	
Start	Stop					Measurement	x umhos/cm
13:05							
	13:07	3	3	7.23	68.0	.54	X 1000
	13:09	2	5	7.23	68.5	.52	
	13:11	2	7	7.23	68.7	.55	

SAMPLES COLLECTED Time 13:20 Total volume purged (gal.) 8
 Water color CLEAR Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: _____

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW-11	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number EW-1 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description SOUTH OF GARAGE SHACK Well Depth (spec.) _____
 Depth to Water (static) _____ Well Depth (sounded) _____
 Initial height of water in casing _____ Volume _____ gallons
 Volume to be purged _____ gallons
 Purged With PUMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 V_{2"} casing = 0.163 gal/ft
 V_{3"} casing = 0.367 gal/ft
 V_{4"} casing = 0.653 gal/ft
 V_{4.5"} casing = 0.826 gal/ft
 V_{6"} casing = 1.47 gal/ft
 V_{8"} casing = 2.61 gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time 0 Total volume purged (gal.) 0
 Water color _____ Odor _____
 Description of sediments or material in sample: _____
 Additional Comments: METER 015411.5 PUMP NOT OPERATING
NO SAMPLE COLLECTED 10:33

Sample ID	# of Cont.	Container Type	Filtered (size. u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
MW	3	1	-	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number EW-2 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description SOUTH CORNER OF ROADWAY Well Depth (spec.) _____
 Depth to Water (static) 16.69 Well Depth (sounded) _____
 Initial height of water in casing _____ Volume _____ gallons
 Volume to be purged _____ gallons
 Purged With PUMP Sampled With DISP. PAIL
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft³
 $V_{2"} casing = 0.163$ gal/ft
 $V_{3"} casing = 0.367$ gal/ft
 $V_{4"} casing = 0.653$ gal/ft
 $V_{4.5"} casing = 0.826$ gal/ft
 $V_{6"} casing = 1.47$ gal/ft
 $V_{8"} casing = 2.61$ gal/ft

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time 0 Total volume purged (gal.) _____
 Water color _____ Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: METER 010725.83 NO POUND, PUMP OFF
NO SAMPLE COLLECTED 10:40

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
AW-	3	1		HCl	YES	GTEL	GH/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



WATER SAMPLING DATA

Job Name SAN LEANORO Job Number 1-289-04 Sampler DB
 Well Number EW-3 Date 10-25-94 Well Diameter 2"
 Sample Point Location/Description S.E. on Peepay Well Depth (spec.) _____
 Depth to Water (static) 116.20 Well Depth (sounded) _____
 Initial height of water in casing _____ Volume _____ gallons
 Volume to be purged _____ gallons
 Purged With PUMP Sampled With DISP. BAILEY
 Pumped or Bailed Dry? Yes No Time _____ After _____ gallons
 Water level at sampling _____ Percent Recovery _____

Formulas/Conversions
 r = well radius in ft
 h = ht of water col. in ft
 vol. in cyl. = $\pi r^2 h$
 7.48 gal/ft^3
 $V_{1/2}^* \text{ casing} = 0.163 \text{ gal/ft}$
 $V_1^* \text{ casing} = 0.367 \text{ gal/ft}$
 $V_{1.5}^* \text{ casing} = 0.653 \text{ gal/ft}$
 $V_2^* \text{ casing} = 1.47 \text{ gal/ft}$
 $V_3^* \text{ casing} = 2.61 \text{ gal/ft}$

CHEMICAL DATA

Purge Time		Purge Volume (gal.)	Cumulative (gal.)	pH	Temp (°C)	Specific Conductance	
Start	Stop					Measurement	x umhos/cm

SAMPLES COLLECTED Time 0 Total volume purged (gal.) 0
 Water color _____ Odor NONE
 Description of sediments or material in sample: _____
 Additional Comments: METER 009099.57 NO POWER, PUMP NOT OPERATING, NO SAMPLE COLLECTED 10:55

Sample ID	# of Cont.	Container Type	Filtered (size, u)	Preservative (type)	Refrig. (Y/N)	Lab (Init)	Analysis Requested
AW	3	1	 	HCl	YES	GTEL	GAS/BTEX

Container Type Codes: 1 = 40 ml clear VOA/Teflon septa; 2 = Brown glass/teflon lined cap (specify size);
 3 = Clear glass/teflon lined cap (specify size); 4 = Polyethylene/polyethylene cap (specify size);
 5 = Other _____; 6 = Other _____



ENVIRONMENTAL
LABORATORIES, INC.

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

November 1, 1994

Ed Morales
Sierra Environmental Services
P.O. 2546
Martinez, CA 94553

RE: GTEL Client ID: SIE01CHV08
Login Number: C4100488
Project ID (number): 1-289-04
Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

Dear Ed Morales:

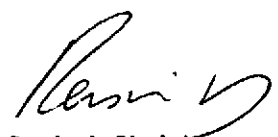
Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 10/26/94.

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.



Rashmi Shah
Laboratory Director

GTEL Client ID: SIE01CHV08
 Login Number: C4100488
 Project ID (number): 1-289-04
 Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C4100488-01	C4100488-02	C4100488-03	C4100488-04
Client ID	TB	MW-1	MW-2	MW-6
Date Sampled	10/25/94	10/25/94	10/25/94	10/25/94
Date Analyzed	10/31/94	10/30/94	10/30/94	10/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	0.6	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	1.6	0.8	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	4.1	2.1	1.2
TPH as GAS	50	ug/L	< 50	100	< 50	< 50
BFB (Surrogate)	--	%	98.9	100	96.2	90.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"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 Concord, CA
 C4100488:1



GTEL Client ID: SIE01CHV08
 Login Number: C4100488
 Project ID (number): 1-289-04
 Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C4100488-05	C4100488-06	C4100488-07	C4100488-08
Client ID	M4-8	M4-9	M4-10	M4-11
Date Sampled	10/25/94	10/25/94	10/25/94	10/25/94
Date Analyzed	10/30/94	10/31/94	10/30/94	10/30/94
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
Benzene	0.5	ug/L	< 0.5	11.	< 0.5	< 0.5
Toluene	0.5	ug/L	0.8	2.0	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	7.6	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	1.6	28.	< 0.5	< 0.5
TPH as GAS	50.	ug/L	< 50	1200	< 50.	< 50.
BFB (Surrogate)	--	%	92.8	104.	95.3	95.0

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"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 Concord, CA
 C4100488:2



GTEL Client ID: SIE01CHV08
 Login Number: C4100488
 Project ID (number): 1-289-04
 Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

ANALYTICAL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

GTEL Sample Number	C4100488-09	C4100488-10	--	--
Client ID	M4-7	M4-3	--	--
Date Sampled	10/25/94	10/25/94	--	--
Date Analyzed	10/30/94	10/30/94	--	--
Dilution Factor	1.00	100.	--	--

Analyte	Reporting		Concentration:		
	Limit	Units			
Benzene	0.5	ug/L	< 0.5	8700	--
Toluene	0.5	ug/L	0.6	52.	--
Ethylbenzene	0.5	ug/L	< 0.5	1500	--
Xylenes (total)	0.5	ug/L	1.6	1400	--
TPH as GAS	50.	ug/L	< 50.	24000	--
BFB (Surrogate)	--	%	93.9	94.8	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020:

"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.

C4100488-10:

Uncategorized compound is not included in gasoline concentration.

GTEL Concord, CA
 C4100488:3



GTEL Client ID: SIE01CHV08
Login Number: C4100488
Project ID (number): 1-289-04
Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020
Matrix: Aqueous

Method Blank Results

QC Batch No: G103094-1
Date Analyzed: 30-OCT-94

Analyte	Method: EPA 8020	Concentration: ug/L
Benzene	< 0.30	
Toluene	< 0.30	
Ethylbenzene	< 0.30	
Xylenes (Total)	< 0.50	
TPH as Gasoline	< 10.0	

Notes:

GTEL Client ID: SIE01CHV08
 Login Number: C4100488
 Project ID (number): 1-289-04
 Project ID (name): CHEVRON/#0098139/16304 Foothill Blvd., San Leandro, CA

QUALITY CONTROL RESULTS

Volatile Organics
 Method: EPA 8020
 Matrix: Aqueous

Matrix Spike and Matrix Spike Duplicate Results

Analyte	Original Concentration	Spike Amount	Matrix Spike	Matrix Spike	Matrix Spike Duplicate	Matrix Spike Duplicate	Acceptability Limits		
			Concentration	Recovery, %	Concentration	Recovery, %	RPD, %	RPD, %	Recovery, %
EPA 8020	GTEL Sample ID: C4100424-03		Spike ID: G103094-3		Dup. ID: G103094-4		Client ID: Batch QC		
Units: ug/L	Analysis Date: 29-OCT-94		30-OCT-94		31-OCT-94				
Benzene	< 0.50	20.0	18.4	92.0	17.9	89.5	2.7	34	57.3-138%
Toluene	< 0.50	20.0	17.0	85.0	17.4	87.0	2.3	31	63-134%
Ethylbenzene	< 0.50	20.0	16.2	81.0	16.3	81.5	0.6	38	59.3-137%
Xylenes (Total)	< 0.50	60.0	50.5	84.2	50.5	84.2	0	31	59.3-144%

Notes:

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

Chevron Facility Number 9-8129
 Facility Address 116204 Foothill Blvd. San Ramon
 Consultant Project Number 1-289-04
 Consultant Name SIERRA ENVIRONMENTAL SERVICES
 Address P.O. BOX 2546 MARTINEZ, CA 94553
 Project Contact (Name) ED MORALES
 (Phone) 370-1280 (Fax Number) 370-7959

Chevron Contact (Name) Kenneth Kaw
 (Phone) 842-8752
 Laboratory Name GTEL
 Laboratory Release Number 8617900
 Samples Collected by (Name) J.B.
 Collection Date 10-25-94
 Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Chertool	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analysis to Be Performed														
								TEX + TPH GAS (8020 + 8015)	TPH Distill (8015)	Oil and Grease (8520)	Petroleum Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)							
TB	01	1	W	G		HCl	YES															
MW-1	02	3			9:10																	
MW-2	03	3			9:48																	
MW-6	04	3			10:15																	
MW-8	05	3			11:25																	
MW-9	06	3			11:50																	
MW-10	07	3			12:30																	
MW-11	08	3			13:20																	
MW-7	09	3			13:45																	
LW	10	3	↓	↓	14:10	↓	↓															

Note:
 Do Not Bill
 TB-LB Sample
 50
 Remarks

George Wadley
 10/31/94

Inquired By (Signature) [Signature]
 Inquired By (Signature) [Signature]
 Inquired By (Signature)

Organization SES
 Organization GTEL
 Organization

Date/Time 12:30
10-26-94
 Date/Time 16:20
10-26-94
 Date/Time

Received By (Signature) [Signature]
 Received By (Signature)
 Received for Laboratory By (Signature) [Signature]

Organization GTEL
 Organization

Date/Time 12:30
10-26-94
 Date/Time
 Date/Time 16:20
10/26/94

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

C4100488