

ENVIRONMENTAL  
PROTECTION  
97 FEB 14 PM 2:04



**Chevron**

February 12, 1997

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

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

**Marketing - Sales West**  
Phone 510 842-9500

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
near Tracy, California**

Dear Ms. Chu:

Enclosed is the Fourth Quarter Groundwater Monitoring report for 1996, prepared by our consultant Gettler-Ryan Inc. for the above noted facility. Ground water samples were analyzed for TPH-g, BTEX and MtBE constituents.

Constituents detected in the wells were similar as in previous sampling events. Samples were not taken from monitoring wells MW-2, MW-5, MW-7 and MW-8 to comply with the new sampling program. These wells will be sampled annually starting in May 1997. The remaining wells will be sampled semi-annually starting in November 1996. The water well (supply well) will be sampled annually starting in November 1996.

Groundwater depth varied from 11.61 to 28.98 feet below grade with a direction of flow to the northeast. Groundwater levels were taken each month and the gradient and direction of flow was similar as to the quarterly sampling events. The existing water well (supply well) was sampled this quarter and all constituents were below method detection limits.

Chevron will continue to sample the wells based on the sampling program noted above. If you have any questions or comments call me at (510) 842-9136.

Sincerely,  
CHEVRON PRODUCTS COMPANY

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Ms. Eva Chu  
Former Chevron Service Station # 9-7127  
February 12, 1997  
Page 2

cc. Ms. Bette Owen, Chevron

Mr. John Moody  
RWQCB-Central Valley Region  
3443 Routier Road  
Sacramento, CA 95827-3098

Mr. Ardavan Onsoni  
29310 Union City Blvd.  
Union City, CA 94587

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Mr. Ross Tinline  
Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110 (less analytical data)



# GETTLER-RYAN INC.

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December 16, 1996

Job #5251.80

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

Re: Fourth Quarter Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-7127  
Interstate 580 and Grant Line Road  
Tracy, California

Dear Mr. Briggs:

This report documents the monthly monitoring and quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On November 11, 1996, field personnel were on-site to monitor eight wells (MW-1 through MW-8) and sample four wells (MW-1, MW-3, MW-4, and MW-6) and a supply well, at the Former Chevron Service Station #9-7127 located at Interstate 580 and Grant Line Road in Tracy, California.

Static groundwater levels were measured on September 6, October 28, and November 11, 1996. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. Potentiometric maps are included as Figures 1, 2 and 3.

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

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

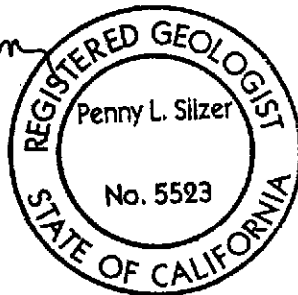
Sincerely,

*Deanna L. Harding*

Deanna L. Harding  
Project Coordinator

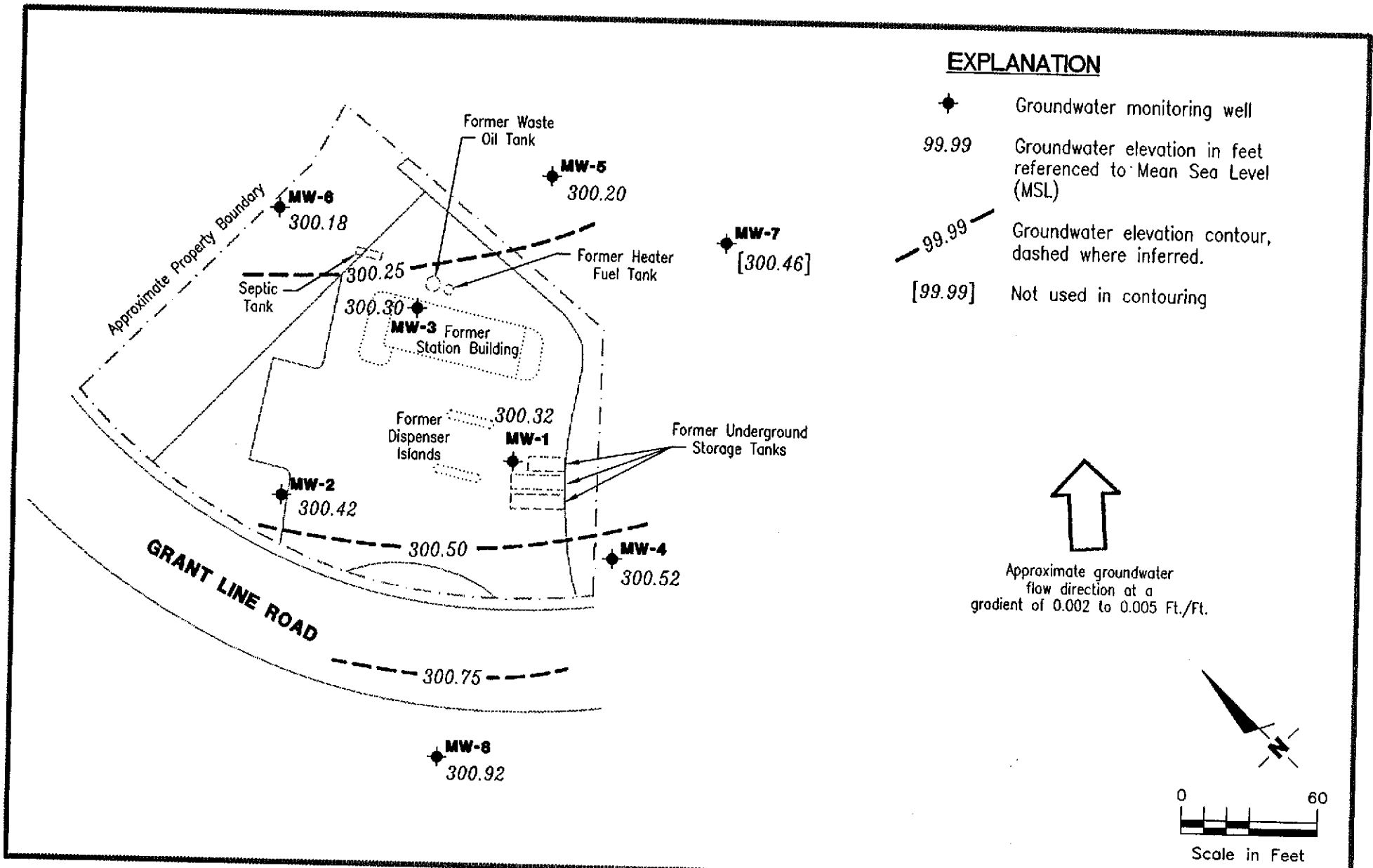
*Penny L. Silzer*

Penny L. Silzer  
Senior Geologist, R.G. No. 5523



DLH/PLS/dlh  
5251.QML

Figure 1: Potentiometric Map - September 6, 1996  
Figure 2: Potentiometric Map - October 28, 1996  
Figure 3: Potentiometric Map - November 11, 1996  
Table 1: Water Level Data and Groundwater Analytical Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station No. 9-7127  
 Interstate 580 and Grant Line Road  
 Tracy, California

JOB NUMBER  
 5251

REVIEWED BY  
 [Signature]

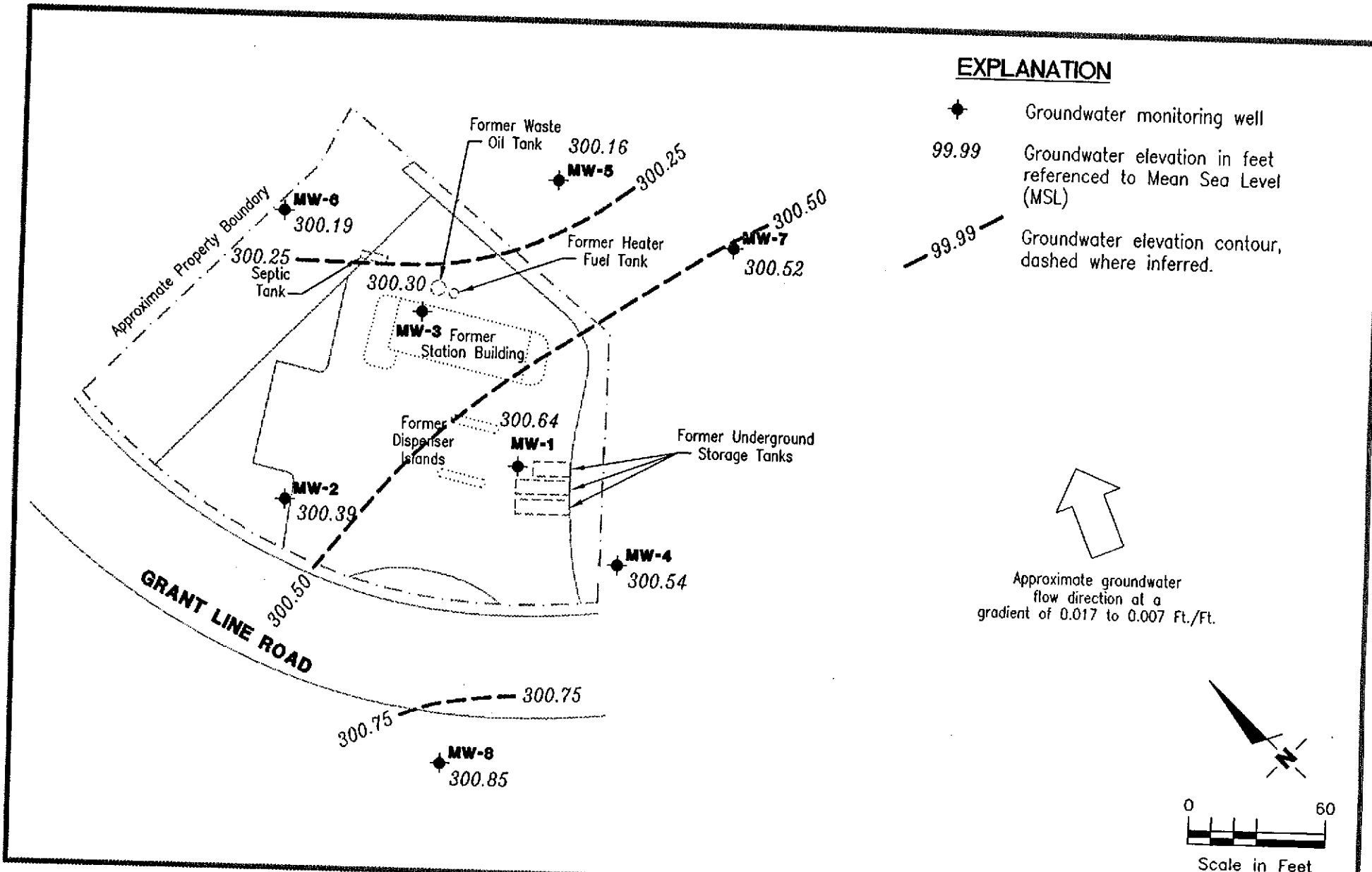
DATE  
 September 6, 1996

REVISED DATE

FIGURE  
**1**

**EXPLANATION**

- ◆ Groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- Groundwater elevation contour, dashed where inferred.



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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station No. 9-7127  
 Interstate 580 and Grant Line Road  
 Tracy, California

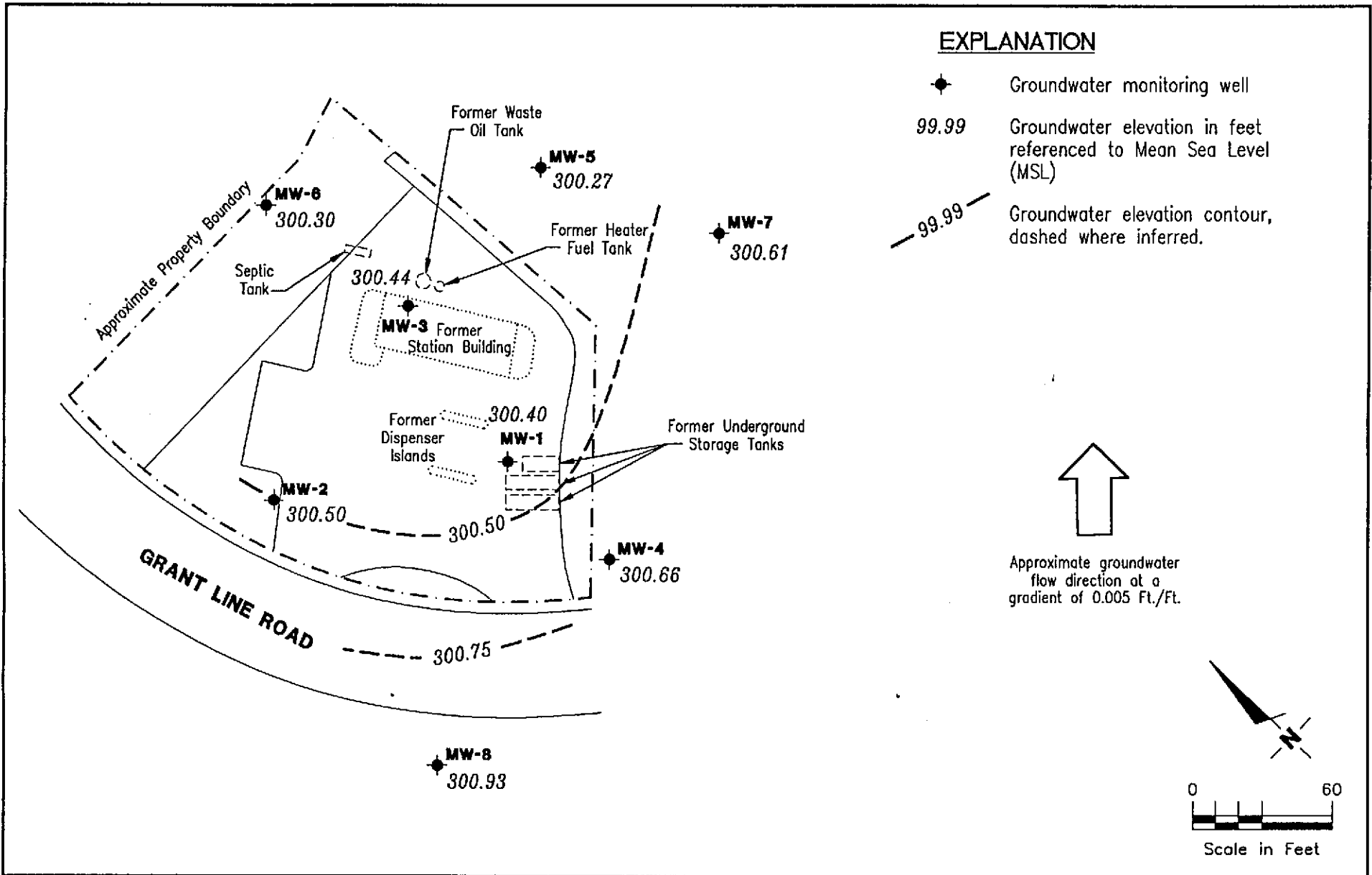
JOB NUMBER  
 5251

REVIEWED BY

DATE  
 October 28, 1996

REVISED DATE

FIGURE  
**2**



**Gertler - Ryan Inc.**

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

**POTENTIOMETRIC MAP**

Former Chevron Service Station No. 9-7127  
Interstate 580 and Grant Line Road  
Tracy, California

FIGURE

**3**

JOB NUMBER  
5251

REVIEWED BY  
*PLS*

DATE  
November 11, 1996

REVISED DATE



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness (ft)	TPH(G) <-----	B	T	-----ppb----->			MTBE
								E	X		
MW-1/ 329.17	2/15/94	29.77	299.40	0	99,000	20,000	24,000	2,000	9,800	--	
	4/21/94	29.85	299.32	0	--	--	--	--	--	--	
	6/1/94	29.92	299.25	0	56,000	12,000	15,000	1,100	5,800	--	
	6/28/94	30.15	299.02	0	--	--	--	--	--	--	
	7/19/94	20.30	308.87	0	--	--	--	--	--	--	
	9/2/94	30.61	298.96 <sup>1</sup>	0.5	--	--	--	--	--	--	
	9/12/94	31.66	298.04 <sup>1</sup>	0.66	--	--	--	--	--	--	
	10/12/94	31.70	298.70 <sup>1</sup>	1.54	--	--	--	--	--	--	
	11/30/94	29.95	299.84 <sup>1</sup>	0.77	--	--	--	--	--	--	
	3/9/95	29.54	299.88	0.31	--	--	--	--	--	--	
	4/18/95	29.01	300.16	0	--	--	--	--	--	--	
	5/17/95	29.09	300.08	0	130,000	22,000	30,000	2,000	10,000	--	
	6/7/95	29.24	299.93	0	--	--	--	--	--	--	
	7/21/95	29.66	299.51	0	--	--	--	--	--	--	
	8/15/95	29.87	299.30	0	41,000	9,400	12,000	1,400	7,700	--	
	9/7/95	29.85	299.32	0	--	--	--	--	--	--	
	10/9/95	30.01	299.16	0	--	--	--	--	--	--	
	11/15/95	29.88	299.29	0	68,000	15,000	9,600	1,100	5,500	<2,000	
	12/30/95	29.99	299.18	0	--	--	--	--	--	--	
	1/29/96	29.32	299.85	Sheen	--	--	--	--	--	--	
	2/27/96	28.51	300.66	0	520	48	71	<0.5	27	28	
	3/5/96	28.44	300.73	0	--	--	--	--	--	--	
	4/23/96	28.20	300.97	0	--	--	--	--	--	--	
	5/30/96	28.47	300.70	0	57,000	15,000	11,000	1,100	4,900	<250	
	6/19/96	28.43	300.74	0	--	--	--	--	--	--	
	7/15/96	28.66	300.51	Sheen	--	--	--	--	--	--	
	8/27/96	28.73	300.44	0	74,000	11,000	9,500	790	3,600	<120	
	9/9/96	28.85	300.32	0	--	--	--	--	--	--	
	10/28/96	28.53	300.64	Sheen	--	--	--	--	--	--	
	11/11/96	28.77	300.40	0	69,000	13,000	9,100	810	3,200	<250	
MW-2/ 327.22	2/15/94	27.09	300.13	0	83	21	6	1	3	--	
	4/21/94	27.81	299.41	0	--	--	--	--	--	--	
	6/1/94	27.98	299.24	0	<50	1.3	0.5	<0.5	<0.5	--	
	6/28/94	28.17	299.05	0	--	--	--	--	--	--	
	7/19/94	28.35	298.87	0	--	--	--	--	--	--	
	9/2/94	28.52	298.70	0	82	13	16	3.6	14	--	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness (ft)	TPH(G) <-----	B	T	E	X	MTBE ----->
MW-2 (cont)	9/12/94	28.56	298.66	0	---	---	---	---	---	---
	10/12/94	28.62	298.60	0	---	---	---	---	---	---
	11/30/94	28.38	298.84	0	<50	3.6	4.5	1.0	4.5	---
	3/9/95	27.41	299.81	0	---	---	---	---	---	---
	4/18/95	26.79	300.43	0	---	---	---	---	---	---
	5/17/95	26.95	300.27	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/7/95	27.06	300.16	0	---	---	---	---	---	---
	7/21/95	27.47	299.75	0	---	---	---	---	---	---
	8/15/95	27.57	299.65	0	<50	<0.5	<0.5	<0.5	<0.5	---
	9/7/95	28.69	298.53	0	---	---	---	---	---	---
	10/9/95	27.85	299.37	0	---	---	---	---	---	---
	11/15/95	27.91	299.31	0	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	12/30/95	27.60	299.62	0	---	---	---	---	---	---
	1/29/96	27.16	300.06	0	---	---	---	---	---	---
	2/27/96	26.25	300.97	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/5/96	26.70	300.52	0	---	---	---	---	---	---
	4/23/96	25.82	301.40	0	---	---	---	---	---	---
	5/30/96	26.16	301.06	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/19/96	26.27	300.95	0	---	---	---	---	---	---
	7/15/96	26.46	300.76	0	---	---	---	---	---	---
8/27/96	26.72	300.50	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
9/6/96	26.80	300.42	0	---	---	---	---	---	---	
10/28/96	26.83	300.39	0	---	---	---	---	---	---	
11/11/96	26.72	300.50	0	---	---	---	---	---	---	
MW-3/ 329.28	2/15/94	29.87	299.41	0	23,000	11,000	1,700	540	1,000	---
	4/21/94	29.96	299.32	0	---	---	---	---	---	---
	6/1/94	30.11	299.17	0	27,000	12,000	2,600	600	2,200	---
	6/28/94	30.31	298.97	0	---	---	---	---	---	---
	7/19/94	30.50	298.78	0	---	---	---	---	---	---
	9/2/94	30.61	298.67	0	34,000	16,000	4,100	770	3,000	---
	9/12/94	30.65	298.63	0	---	---	---	---	---	---
	10/12/94	30.74	298.54	0	---	---	---	---	---	---
	11/30/94	30.44	298.84	0	33,000	16,000	3,000	740	2,400	---
	3/9/95	29.53	299.75	0	---	---	---	---	---	---
	4/18/95	28.97	300.31	0	---	---	---	---	---	---
	5/17/95	29.19	300.09	0	27,000	10,000	760	490	1,000	---
	6/7/95	29.24	300.04	0	---	---	---	---	---	---





Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness (ft)	TPH(G) <-----	B	T	E	X	MTBE ----->
MW-3 (cont)	7/21/95	29.70	299.58	0	---	---	---	---	---	---
	8/15/95	29.78	299.50	0	39,000 <sup>3</sup>	13,000	2,900	700	1,700	---
	9/7/95	29.86	299.42	0	---	---	---	---	---	---
	10/9/95	30.02	299.26	0	---	---	---	---	---	---
	11/15/95	30.06	299.22	0	21,000	8,000	2,900	430	1,500	<1,000
	12/30/95	29.75	299.53	0	---	---	---	---	---	---
	1/29/96	29.22	300.06	0	---	---	---	---	---	---
	2/27/96	28.43	300.85	0	<2,500	5,000	500	220	130	710
	3/5/96	28.35	300.93	0	---	---	---	---	---	---
	4/23/96	28.10	301.18	0	---	---	---	---	---	---
	5/30/96	28.42	300.86	0	37,000	13,000	7,200	870	2,900	<120
	6/19/96	28.51	300.77	0	---	---	---	---	---	---
	7/15/96	28.63	300.65	0	---	---	---	---	---	---
	8/27/96	28.90	300.38	0	50,000	9,500	6,900	740	2,900	<120
	9/6/96	28.98	300.30	0	---	---	---	---	---	---
	10/28/96	28.98	300.30	0	---	---	---	---	---	---
11/11/96	28.84	300.44	0	52,000	11,000	5,500	780	3,000	<250	
MW-4/ 329.44	5/21/93	---	---	---	<50	12	2	<0.5	1	---
	11/5/93	---	---	---	300	56	10	0.8	3	---
	2/15/94	29.90	299.54	0	260	47	12	2	4	---
	4/21/94	29.99	299.45	0	---	---	---	---	---	---
	6/1/94	30.14	299.30	0	860	200	23	2.8	9.6	---
	6/28/94	30.32	299.12	0	---	---	---	---	---	---
	7/19/94	30.50	298.94	0	---	---	---	---	---	---
	9/2/94	30.62	298.82	0	1,700	250	27	6.4	15	---
	9/12/94	30.69	298.75	0	---	---	---	---	---	---
	10/12/94	30.75	298.69	0	---	---	---	---	---	---
	11/30/94	30.51	298.93	0	830	350	29	8.1	22	---
	3/9/95	29.61	299.83	0	---	---	---	---	---	---
	4/18/95	29.08	300.36	0	---	---	---	---	---	---
	5/17/95	29.22	300.22	0	470	200	2.2	0.9	2.1	---
	6/7/95	29.27	300.17	0	---	---	---	---	---	---
	7/21/95	29.72	299.72	0	---	---	---	---	---	---
8/15/95	29.77	299.67	0	100	4.2	0.8	<0.5	<0.5	---	
9/7/95	29.85	299.59	0	---	---	---	---	---	---	
10/9/95	30.02	299.42	0	---	---	---	---	---	---	
11/15/95	30.05	299.39	0	270	94	9.4	0.77	4.3	27	
12/30/95	29.79	299.65	0	---	---	---	---	---	---	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness (ft)	TPH(G)	Product					MTBE
						B	T	E	X	ppb	
MW-4 (cont)	1/29/96	29.31	300.13	0	—	—	—	—	—	—	—
	2/27/96	28.58	300.86	0	690	100	15	<0.5	2.0	79	—
	3/5/96	28.55	300.89	0	—	—	—	—	—	—	—
	4/23/96	28.15	301.29	0	—	—	—	—	—	—	—
	5/30/96	28.40	301.04	0	700	240	4.0	0.6	3.9	<5.0	—
	6/19/96	28.47	300.97	0	—	—	—	—	—	—	—
	7/15/96	28.62	300.82	0	—	—	—	—	—	—	—
	8/27/96	28.85	300.59	0	<50	11	<0.5	<0.5	<0.5	<5.0	—
	9/6/96	28.92	300.52	0	—	—	—	—	—	—	—
	10/28/96	28.90	300.54	0	—	—	—	—	—	—	—
	11/11/96	28.78	300.66	0	240	57	1.4	0.7	1.8	<5.0	—
MW-5	5/25/93	—	—	—	<50	<0.5	<0.5	<0.5	0.9	—	—
	11/5/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—	—
312.88	2/15/94	25.10	287.78	0	<50	<0.5	1	<0.5	1	—	—
	4/21/94	13.21	299.67	0	—	—	—	—	—	—	—
	6/1/94	13.39	299.49	0	<50	<0.5	<0.5	<0.5	<0.5	—	—
	6/28/94	13.73	299.15	0	—	—	—	—	—	—	—
	7/19/94	13.80	299.08	0	—	—	—	—	—	—	—
	9/2/94	14.02	298.86	0	<50	3.2	1.8	<0.5	2.1	—	—
	9/12/94	14.03	298.85	0	—	—	—	—	—	—	—
	10/12/94	14.15	298.73	0	—	—	—	—	—	—	—
	11/30/94	13.91	298.97	0	<50 <sup>2</sup>	<0.5 <sup>2</sup>	<0.5 <sup>2</sup>	<0.5 <sup>2</sup>	<0.5 <sup>2</sup>	—	—
	3/9/95	12.97	299.91	0	—	—	—	—	—	—	—
	4/18/95	12.48	300.40	0	—	—	—	—	—	—	—
	5/17/95	12.71	300.17	0	150	1.0	<0.5	<0.5	<0.5	—	—
	6/7/95	12.85	300.03	0	—	—	—	—	—	—	—
	7/21/95	13.30	299.58	0	—	—	—	—	—	—	—
	8/15/95	13.41	299.47	0	<50	<0.5	<0.5	<0.5	<0.5	—	—
	9/7/95	13.42	299.46	0	—	—	—	—	—	—	—
	10/9/95	13.61	299.27	0	—	—	—	—	—	—	—
	11/15/95	13.63	299.25	0	<50	<0.50	<0.50	<0.50	<0.50	—	—
	12/30/95	13.30	299.58	0	—	—	—	—	—	—	<5.0
	1/29/96	12.75	300.13	0	—	—	—	—	—	—	—
2/27/96	12.02	300.86	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	
3/5/96	11.96	300.92	0	—	—	—	—	—	—	—	
4/23/96	11.77	301.11	0	—	—	—	—	—	—	—	
5/30/96	12.17	300.71	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0	—	
6/19/96	12.25	300.63	0	—	—	—	—	—	—	—	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (mas)	Product Thickness (ft)	TPH(G) ←-----	B	T	E	X	MTBE ----->
MW-5 (cont)	7/15/96	12.39	300.49	0	---	---	---	---	---	---
	8/27/96	12.65	300.23	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/6/96	12.68	300.20	0	---	---	---	---	---	---
	10/28/96	12.72	300.16	0	---	---	---	---	---	---
	11/11/96	12.61	300.27	0	---	---	---	---	---	---
MW-6 312.20	12/30/95	13.65	298.55	0	---	---	---	---	---	---
	1/29/96	12.18	300.02	0	---	---	---	---	---	---
	2/27/96	11.45	300.75	0	70	1.1	<0.5	<0.5	<0.5	<5.0
	3/5/96	11.32	300.88	0	---	---	---	---	---	---
	4/23/96	11.12	301.08	0	---	---	---	---	---	---
	5/30/96	11.45	300.75	0	60	1.3	<0.5	<0.5	0.9	<5.0
	6/19/96	11.54	300.66	0	---	---	---	---	---	---
	7/15/96	11.76	300.44	0	---	---	---	---	---	---
	8/27/96	11.95	300.25	0	90	1.6	<0.5	<0.5	<0.5	<5.0
	9/6/96	12.02	300.18	0	---	---	---	---	---	---
	10/28/96	12.01	300.19	0	---	---	---	---	---	---
11/11/96	11.90	300.30	0	110 <sup>4</sup>	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-7 313.36	12/30/95	12.38	300.98	0	---	---	---	---	---	---
	1/29/96	13.14	300.22	0	---	---	---	---	---	---
	2/27/96	12.34	301.02	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/5/96	12.35	301.01	0	---	---	---	---	---	---
	4/23/96	12.13	301.23	0	---	---	---	---	---	---
	5/30/96	12.42	300.94	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/19/96	12.57	300.79	0	---	---	---	---	---	---
	7/15/96	12.70	300.66	0	---	---	---	---	---	---
	8/27/96	12.85	300.51	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/6/96	12.90	300.46	0	---	---	---	---	---	---
	10/28/96	12.84	300.52	0	---	---	---	---	---	---
11/11/96	12.75	300.61	0	---	---	---	---	---	---	



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness (ft)	TPH(G) ←-----	B	T	E	X	MTBE -----→
<b>MW-8</b>										
329.91	12/30/95	30.30	299.61	0	--	--	--	--	--	--
	1/29/96	29.56	300.35	0	--	--	--	--	--	--
	2/27/96	28.68	301.23	0	<50	<0.5	<0.5	<0.5	<5.0	<5.0
	3/5/96	28.75	301.16	0	--	--	--	--	--	--
	4/23/96	28.25	301.66	0	--	--	--	--	--	--
	5/30/96	28.44	301.47	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/19/96	28.51	301.40	0	--	--	--	--	--	--
	7/15/96	28.67	301.24	0	--	--	--	--	--	--
	8/27/96	28.92	300.99	0	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/6/96	28.99	300.92	0	--	--	--	--	--	--
	10/28/96	29.06	300.85	0	--	--	--	--	--	--
	11/11/96	28.98	300.93	0	--	--	--	--	--	--
<b>Supply Well</b>										
	11/15/95	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/11/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
<b>Trip Blank</b>										
TB-LB	2/15/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	6/1/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	9/2/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/30/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	5/17/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	8/15/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
	11/15/95	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	2/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/30/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/11/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
<b>Bailer Blank</b>										
BB	2/15/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--



Table 1. Water Level Data and Groundwater Analytical Results - Former Chevron Service Station #9-7127, Interstate 580 at Grant Line Road, Tracy, California (continued)

**EXPLANATION:**

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

**ANALYTICAL METHODS:**

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

**NOTES:**

All top of casing elevations were surveyed by Tronoff Land Surveying, Davis, California on November 2, 1993.

Water level elevation data and laboratory analytical results prior to May 17, 1995, were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

- <sup>1</sup> GWE corrected for the presence of free-phase hydrocarbons using:  $GWE = [(TOC - DTW) + (0.8)(\text{Product Thickness})]$ . 0.8 is the assumed specific gravity of free-phase hydrocarbons.
- <sup>2</sup> Estimated concentration. TFT surrogate recovery demonstrated sample specific matrix effect. Benzene and Toluene are estimated values due to low recovery of (TFT) surrogate. The (BFB) surrogate had acceptable recovery. Low surrogate recovery can be attributed to sample effervescence (GTEL).
- <sup>3</sup> Laboratory reported data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.
- <sup>4</sup> Laboratory report indicates hydrocarbons in the gasoline range do not match the gasoline standard pattern.



## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



### WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5251-85  
 CITY Tracy SS# 9-7127

Well ID MW-1 Well Condition OK

#### Well Location Description

Well Diameter 4 in Hydrocarbon Thickness 0

Total Depth 40.0 ft

Depth to Liquid 29.77 ft

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

3 # of casing Volume 11.23 x .66 x(VF) 7.4 #Estimated Purge Volume 22.2 gal.

Purge Equipment Stack Pump Sampling Equipment D. Baker

Did well dewater NO If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 1500 Purging Flow Rate 1.9 gpm.

Sampling Time 1516

Time	pH	Conductivity	Temperature	Volume
<u>1504</u>	<u>7.22</u>	<u>1067</u>	<u>19.1</u>	<u>7.6</u> gal
<u>1508</u>	<u>7.17</u>	<u>1056</u>	<u>19.2</u>	<u>19.8</u> gal
<u>1512</u>	<u>7.13</u>	<u>1050</u>	<u>19.3</u>	<u>23.8</u> gal
<u>1516</u>	<u>7.12</u>	<u>1050</u>	<u>19.3</u>	<u>25.0</u> gal

Weather Conditions Hazy

Water Color: clear Odor: strong

Sediment Description none

#### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-1</u>	<u>3X20L</u>	<u>Y</u>	<u>HCL</u>	<u>GTCL</u>	<u>GA-BTEX w/ATOC</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5251-85  
 CITY Tracy SS# 9-7127

Well ID MW-2 Well Condition OK  
 Well Location Description \_\_\_\_\_

Well Diameter 2 in  
 Total Depth \_\_\_\_\_ ft  
 Depth to Liquid 26.72 ft

Hydrocarbon Thickness 0

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

# of casing Volume \_\_\_\_\_ x \_\_\_\_\_ x(VF) \_\_\_\_\_ #Estimated purge Volume \_\_\_\_\_ gal.

Purge Equipment \_\_\_\_\_ Sampling Equipment \_\_\_\_\_

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time \_\_\_\_\_ Purging Flow Rate \_\_\_\_\_ gpm.  
 Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
	<u>Water level only</u>			

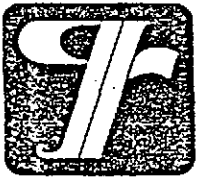
Weather Conditions Hazy  
 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Sediment Description \_\_\_\_\_

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis

Comments \_\_\_\_\_  
 \_\_\_\_\_





WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5251.85  
 CITY Tracy SS# 9-7127

Well ID MW-3 Well Condition OK

Well Location Description \_\_\_\_\_

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 40.0 ft

Depth to Liquid 28.84 ft

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

3 # of casing Volume 11.16 x .17 x(VF) 1.9 #Estimated 6 gal. purge Volume

Purge Equipment Stack Pump Sampling Equipment D. Bailey

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 1432 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time 1439

Time	pH	Conductivity	Temperature	Volume
<u>1433</u>	<u>6.88</u>	<u>1090</u>	<u>18.9</u>	<u>2</u> gal
<u>1434</u>	<u>6.86</u>	<u>1099</u>	<u>19.2</u>	<u>4</u>
<u>1435</u>	<u>6.84</u>	<u>1072</u>	<u>19.3</u>	<u>5</u>
<u>1439</u>	<u>6.84</u>	<u>1072</u>	<u>19.3</u>	<u>7</u>

Weather Conditions Hazy

Water Color: clear Odor: mild

Sediment Description none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-3</u>	<u>3x40 ml</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gas BTEX w/PTBE</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
ADDRESS I-580 @ Grant Line Rd JOB # 5251-85  
CITY Tracy SS# 9-7127

Well ID MW-4 Well Condition OK

Well Location Description \_\_\_\_\_

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 40.0 ft

Depth to Liquid 28.78 ft

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

# of casing Volume 11.22 x .17 x(VF) 1.9 #Estimated purge Volume 5.7 gal.

Purge Equipment Stack Pump Sampling Equipment D. Barker

Did well dewater NO If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 1330 Purging Flow Rate 2 gpm.

Sampling Time 1333

Time	pH	Conductivity	Temperature	Volume
<u>1331</u>	<u>6.98</u>	<u>1019</u>	<u>19.2</u>	<u>2</u> gal
<u>1332</u>	<u>7.11</u>	<u>1219</u>	<u>19.0</u>	<u>4</u> gal
<u>1333</u>	<u>7.15</u>	<u>1243</u>	<u>18.8</u>	<u>6</u> gal
<u>1338</u>	<u>7.16</u>	<u>1252</u>	<u>18.8</u>	<u>7</u> gal

Weather Conditions Hazy

Water Color: clear Odor: none

Sediment Description none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>3x40ml</u>	<u>y</u>	<u>HCL</u>	<u>GTEL</u>	<u>Gen B58X w/ADSE</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
ADDRESS I-580 @ Grant Line Rd JOB # 5251-85  
CITY Tracy SS# 9-7127

Well ID MW-5 Well Condition OK  
Well Location Description \_\_\_\_\_

Well Diameter 2 in Hydrocarbon Thickness Ø

Total Depth \_\_\_\_\_ ft  
Depth to Liquid 12.61 ft

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

# of casing Volume \_\_\_\_\_ x \_\_\_\_\_ x(VF) #Estimated \_\_\_\_\_ gal.  
Purge Equipment \_\_\_\_\_ Sampling Equipment \_\_\_\_\_  
Purge Volume \_\_\_\_\_

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time \_\_\_\_\_ Purging Flow Rate \_\_\_\_\_ gpm.  
Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
_____	<u>Water</u>	<u>level only</u>	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Weather Conditions Hazy  
Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
Sediment Description \_\_\_\_\_

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis

Comments \_\_\_\_\_  
\_\_\_\_\_



### WELL SAMPLING FIELD DATA SHEET

SAMPLER E. Sanchez DATE 11-11-96  
 ADDRESS I-580 at Grant Line Rd JOB # 5251.85  
 CITY Tracy SS# 9-7122

Well ID MW-6 Well Condition OK

Well Location Description \_\_\_\_\_

Well Diameter 2 in

Hydrocarbon Thickness Ø

Total Depth 29.0 ft

Depth to Liquid 11.90 ft

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

3 # of casing Volume 17.10 x 1.7 x(VF) 2.9 #Estimated purge Volume 8.7 gal.

Purge Equipment Baile Sampling Equipment D. Baile

Did well dewater NO If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 1400 Purging Flow Rate 1.5 gpm.

Sampling Time 1411

Time	pH	Conductivity	Temperature	Volume
<u>1402</u>	<u>7.77</u>	<u>1053</u>	<u>19.9</u>	<u>3</u> ✓
<u>1404</u>	<u>7.34</u>	<u>1146</u>	<u>18.8</u>	<u>6</u> ✓
<u>1406</u>	<u>7.21</u>	<u>1167</u>	<u>18.1</u>	<u>9</u> ✓
<u>1411</u>	<u>7.18</u>	<u>1165</u>	<u>18.0</u>	<u>10</u> ✓

Weather Conditions Hazy

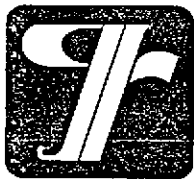
Water Color: clear Odor: none

Sediment Description none

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-6</u>	<u>3X40ml</u>	<u>Y</u>	<u>HCL</u>	<u>GTCL</u>	<u>Gen BTEX of 11/10/96</u>

Comments \_\_\_\_\_



### WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5251.85  
 CITY Tracy SS# 9-7127

Well ID MW-7 Well Condition OK  
 Well Location Description \_\_\_\_\_

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth \_\_\_\_\_ ft  
 Depth to Liquid 12.75 ft

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

# of casing Volume \_\_\_\_\_ x \_\_\_\_\_ x(VF) \_\_\_\_\_ #Estimated purge Volume \_\_\_\_\_ gal.

Purge Equipment \_\_\_\_\_ Sampling Equipment \_\_\_\_\_

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time \_\_\_\_\_ Purging Flow Rate \_\_\_\_\_ gpm.  
 Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
	<u>Water</u>	<u>level only</u>		

Weather Conditions Hazy  
 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Sediment Description \_\_\_\_\_

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER B. Sanchez DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5351.85  
 CITY Tracy SS# 9-7127

Well ID MW-8 Well Condition OK

Well Location Description \_\_\_\_\_

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth \_\_\_\_\_ ft

Depth to Liquid 28.98 ft

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

# of casing Volume \_\_\_\_\_ x \_\_\_\_\_ x(VF) \_\_\_\_\_ #Estimated purge Volume \_\_\_\_\_ gal.

Purge Equipment \_\_\_\_\_ Sampling Equipment \_\_\_\_\_

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time \_\_\_\_\_ Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time \_\_\_\_\_

Time	pH	Conductivity	Temperature	Volume
	<u>Water</u>	<u>Level only</u>		

Weather Conditions Hazy

Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_

Sediment Description \_\_\_\_\_

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis

Comments \_\_\_\_\_



### WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Saucher DATE 11-11-96  
 ADDRESS I-580 @ Grant Line Rd JOB # 5251.85  
 CITY Tracy SS# 9-7127

Well ID Supply Well Well Condition OK  
 Well Location Description \_\_\_\_\_

Well Diameter \_\_\_\_\_ in Hydrocarbon Thickness \_\_\_\_\_

Total Depth \_\_\_\_\_ ft

Depth to Liquid \_\_\_\_\_ ft

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

# of casing Volume \_\_\_\_\_ x \_\_\_\_\_ x(VF) #Estimated + purge Volume \_\_\_\_\_ gal.

Purge Equipment \_\_\_\_\_ Sampling Equipment Grab

Did well dewater \_\_\_\_\_ If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 1404 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time 1405

Time	pH	Conductivity	Temperature	Volume
<u>1405</u>	<u>7.16</u>	<u>1159</u>	<u>18.0</u>	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Weather Conditions Hazy

Water Color: clear Odor: none

Sediment Description none

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>Supply Well</u>	<u>3X40ml</u>	<u>Y</u>	<u>HCL</u>	<u>G TEL.</u>	<u>Gas BREN w/MSSE</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Comments \_\_\_\_\_

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

Chevron Facility Number 9-7127  
Facility Address I-580 at Grant Line Rd Tracy  
Consultant Project Number 5257-81  
Consultant Name Gettler-Ryan  
Address 6747 Sierra Ct, Ste J, Dublin 94568  
Project Contact (Name) Deanna Harding  
(Phone) 510 551-7555 (Fax Number) 510 551-7888

Chevron Contact (Name) Phil Briggs  
(Phone) (510) 842-9136  
Laboratory Name GTEL  
Laboratory Release Number 3452040  
Samples Collected by (Name) Guadalupe Sanchez  
Collection Date 11-11-96  
Signature Guadalupe Sanchez

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Cherted	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analysis To Be Performed											Remarks
								TPH Gas + BTEX W/M/TSE (8016)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
TR-LB		2	W	G	-	HCL	Yes	Yes											
MW-4		3			1338														
MW-6		1			1411														
MW-3		1			1439														
MW-1		1			1516														
Supply Well		3			1405														
	MW-11-0262																		

Relinquished By (Signature) <u>Guadalupe Sanchez</u>	Organization <u>G/R</u>	Date/Time <u>11/11/96</u>	Received By (Signature) <u>D. Harding</u>	Organization <u>G/R</u>	Date/Time <u>11/12/96</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>D. Harding</u>	Organization <u>G/R</u>	Date/Time <u>11/12/96</u>	Received By (Signature) <u>John Wear</u>	Organization <u>NEI/GTEL</u>	Date/Time <u>11/12/96</u>	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Sandra Com</u>		Date/Time <u>11/13/96 DP80</u>	

airborne 702 651 1575

COC-3.DWG03 91/MCH





**Midwest Region**

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

November 19, 1996

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

RECEIVED

NOV 25 1996

GETTLER-RYAN INC.  
GENERAL CONTRACTORS

---

RE: GTEL Client ID: GTR01CHV08  
Login Number: W6110262  
Project ID (number): 5251.85  
Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

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Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 11/13/96.

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. This report is to be reproduced only in full.

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

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

Sincerely,  
GTEL Environmental Laboratories, Inc.

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

ANALYTICAL RESULTS  
Volatile Organics

GTEL Client ID: GTR01CHV08  
 Login Number: W6110262  
 Project ID (number): 5251.85  
 Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

Method: EPA 8020A  
 Matrix: Aqueous

GTEL Sample Number	W6110262-01	W6110262-02	W6110262-03	W6110262-04
Client ID	TB-LB	MW-4	MW-6	MW-3
Date Sampled		11/11/96	11/11/96	11/11/96
Date Analyzed	11/19/96	11/19/96	11/19/96	11/19/96
Dilution Factor	1.00	1.00	1.00	50.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	< 5.0	< 5.0	< 250
Benzene	0.5	ug/L	< 0.5	57.	< 0.5	11000
Toluene	0.5	ug/L	< 0.5	1.4	< 0.5	5500
Ethylbenzene	0.5	ug/L	< 0.5	0.7	< 0.5	780
Xylenes (total)	0.5	ug/L	< 0.5	1.8	< 0.5	3000
BTEX (total)	--	ug/L	--	61.	--	20000
TPH as Gasoline	50	ug/L	< 50	240	110	52000

**Notes:**

**Dilution Factor:**

Dilution factor indicates the adjustments made for sample dilution.

**EPA 8020A:**

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

**W6110262-03:**

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

## ANALYTICAL RESULTS

## Volatile Organics

GTEL Client ID: GTR01CHV08  
 Login Number: W6110262  
 Project ID (number): 5251.85  
 Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

Method: EPA 8020A  
 Matrix: Aqueous

GTEL Sample Number	W6110262-05	W6110262-06	--	--
Client ID	MW-1	SUPPLY WELL	--	--
Date Sampled	11/11/96	11/11/96	--	--
Date Analyzed	11/19/96	11/19/96	--	--
Dilution Factor	50.0	1.00	--	--

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 250	< 5.0	--	--
Benzene	0.5	ug/L	13000	< 0.5	--	--
Toluene	0.5	ug/L	9100	< 0.5	--	--
Ethylbenzene	0.5	ug/L	810	< 0.5	--	--
Xylenes (total)	0.5	ug/L	3200	< 0.5	--	--
BTEX (total)	--	ug/L	26000	--	--	--
TPH as Gasoline	50	ug/L	69000	< 50	--	--

## Notes:

## Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

## EPA 8020A:

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

GTEL Client ID: GTR01CHV08  
Login Number: W6110262  
Project ID (number): 5251.85  
Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA 8020A  
Matrix: Aqueous

Conformance/Non-Conformance Summary

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

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

Comments:

GTEL Client ID: GTR01CHV08  
Login Number: W6110262  
Project ID (number): 5251.85  
Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA 8020A  
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A			Acceptability Limits: 43-136%
111896GC10-10	DP11026205	Duplicate	88.6
111896GC10-13	MS11023410	Matrix Spike	78.0
111896GC10-2	BW11189610R1	Method Blank Water	91.9
111896GC10-4	CV1118962010	Calibration Verifi	79.2
--	11026201	TB-LB	75.3
--	11026202	MW-4	77.2
--	11026203	MW-6	75.7
--	11026204	MW-3	89.1
--	11026205	MW-1	89.2
--	11026206	SUPPLY WELL	79.2

Notes:

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

Project ID (Number): 5251.85  
Project ID (Name): Chevron SS #9-7127  
I-580 @ Grant Line Rd.  
Tracy, CA  
Work Order Number: W6-11-0262  
Date Reported: 11-19-96

METHOD BLANK REPORT

Volatile Organics in Water  
EPA Method 8020A

Date of Analysis: 18-NOV-96      QC Batch No: 111896GC10-2

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

GTEL Client ID: GTR01CHV08  
 Login Number: W6110262  
 Project ID (number): 5251.85  
 Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

QUALITY CONTROL RESULTS

Volatile Organics  
 Method: EPA 8020A  
 Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:111896GC10-4		
Benzene	20.0	18.0	90.0	77-123%
Toluene	20.0	17.5	87.5	77.5-122.5%
Ethylbenzene	20.0	17.7	88.5	63-137%
Xylenes (Total)	60.0	55.6	92.7	85-115%
TPH as Gasoline	500	535	107	80-120%

Notes:

QC check source: Supelco #LA12389

GTEL Client ID: GTR01CHV08  
Login Number: W6110262  
Project ID (number): 5251.85  
Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA 8020A  
Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A	Units: ug/L	QC Batch: 111896GC10-10	GTEL Sample ID: W6110262-05	Client ID: MW-1
MTBE	< 500	< 500	NA	20
Benzene	13300	13600	2.23	23.9
Toluene	9110	9390	3.03	27.2
Ethylbenzene	813	846	3.98	21.6
Xylenes (Total)	3230	3330	3.05	22.0
TPH as Gasoline	69400	71500	2.98	20

Notes:

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



GTEL Client ID: GTR01CHV08  
 Login Number: W6110262  
 Project ID (number): 5251.85  
 Project ID (name): CHEVRON/9-7127/I-580 @ GRANT LINE RD/TRACY/CA

QUALITY CONTROL RESULTS

Volatile Organics  
 Method: EPA 8020A  
 Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W6110234-10		MS ID:MS11023410			
Analysis Date: 18-NOV-96		19-NOV-96			
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.000)	20.0	18.4	92.0	67-110
Toluene	< 0.5 (0.000)	20.0	17.8	89.0	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	18.1	90.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	56.2	93.7	62-119

Notes:

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

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

Chevron Facility Number 9-7127  
 Facility Address I-580 & Grant Line Rd Tracy  
 Consultant Project Number 5257-8  
 Consultant Name Gettler-Ryan  
 Address 6747 Sierra Ct, Ste J, Dublin 94568  
 Project Contact (Name) Deanna Harding  
 (Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) 1711 Kligg  
 (Phone) (570) 842-9156  
 Laboratory Name GTEL  
 Laboratory Release Number 3452070  
 Samples Collected by (Name) Guadalupe Sanchez  
 Collection Date 11-11-96  
 Signatory 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	Leak (Yes or No)	Analyses To Be Performed										Remarks							
								TPH Gas + STEK WATRE (8015)	TPH Diesel (8015)	Oil and Grease (8520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)										
TR-10		2	W	G	-	HCL	Yes	Yes																	
MW-4		3			1338																				
MW-6		1			1411																				
MW-5		1			1439																				
MW-1		1			1516																				
Supply well		3			1405																				

DO NOT BILL  
 FB-LB ANALYSIS!

Relinquished By (Signature) <u>Guadalupe Sanchez</u>	Organization <u>G/R</u>	Date/Time <u>11/11/96</u>	Received By (Signature) <u>D. Harding</u>	Organization <u>G/R</u>	Date/Time <u>11/12/96</u>
Relinquished By (Signature) <u>Deanna Harding</u>	Organization <u>G/R</u>	Date/Time <u>11/12/96</u>	Received By (Signature) <u>Deanna Harding</u>	Organization <u>NET/GTEL</u>	Date/Time <u>11/12/96</u>
Relinquished By (Signature) <u>Deanna Harding</u>	Organization <u>NET/GTEL</u>	Date/Time <u>11/12/96</u>	Received For Laboratory By (Signature) <u>Deanna Harding</u>	Organization <u>NET/GTEL</u>	Date/Time <u>11/12/96</u>

Turn Around Time (Circle Choice)  
 24 hrs.  
 48 hrs.  
 10 Days  
 As Contracted  
**AMENDED COC**

COC-304003 91/MCH