

ENVIRONMENTAL  
PROTECTION

96 DEC 20 PM 4: 25



**Chevron**

December 17, 1996

Mr. Scott Seery  
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 5004  
San Ramon, CA 94583-0804

**Marketing - Northwest Region**  
Phone 510 842 9500

**Re: Chevron Service Station #9-0917  
5820 Hopyard Road, Pleasanton, California**

Dear Mr. Seery:

Enclosed is the Second and Third Quarter Groundwater Monitoring Reports for 1996 quarterly sampling reports prepared by Gettler-Ryan Inc., for the above noted site. I apologize for the delay in the submittal of the reports and future reports will be submitted in a timely manner.

The groundwater samples were analyzed for the presence of TPH-g, BTEX and MtBE constituents. Monitoring well MW-4 was below method detection limits for BTEX constituents, while MW-5 showed a decline in the benzene constituent in both quarters. Monitoring well MW-6 had results that were consistent with historical observations.

Depth to groundwater in the Second Quarter varied from 8.49 to 9.78 feet below grade with the direction of flow northeasterly. In the Third Quarter the depth to groundwater varied from 8.44 to 9.87 feet below grade with direction of flow northeasterly.

A work plan has been approved for installing three additional wells south of the site, but Chevron has not been able to proceed at this time; as we have not received property access from one of the offsite property owners. When this access is granted Chevron will proceed with the installation of the wells.

Chevron will continue to monitor the site quarterly. If you have any questions call me at (510) 842-9136.

Sincerely,  
CHEVRON PRODUCTS COMPANY

A handwritten signature in cursive script that reads "Philip R. Briggs".

Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosures

December 17, 1996  
Mr. Scott Seery  
Chevron Service Station # 9-0917  
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cc. Mr. Eddie So, RWQCB-San Francisco Bay Region  
2101 Webster St., Suite 500, Oakland, CA 94612

Property Owners, C & H Development Co.  
3744 Mt. Diablo Blvd., Suite 301, Lafayette, CA 94549

Ms. Bette Owen, Chevron Products Co.



# GETTLER-RYAN Inc.

ENVIRONMENTAL  
PROJECTS  
96 DEC 20 PM 4: 25

August 2, 1996

Job #5242.80

Mr. Robert Foss  
Chevron USA Products Company  
P.O. Box 5004  
San Ramon, CA 94583

Re: Chevron Service Station #9-0917  
5280 Hopyard Road  
Pleasanton, California

Dear Mr. Foss:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On June 28, 1996, field personnel were on-site to monitor and sample three wells (MW-4, MW-5 and MW-6) at Chevron Service Station #9-0917 located at 5280 Hopyard Road in Pleasanton, California.

Static groundwater levels were measured on June 28, 1996. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

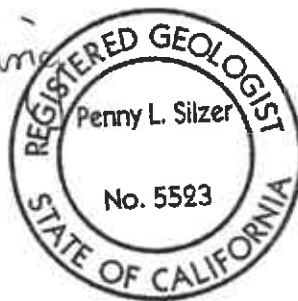
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented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

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

Sincerely,

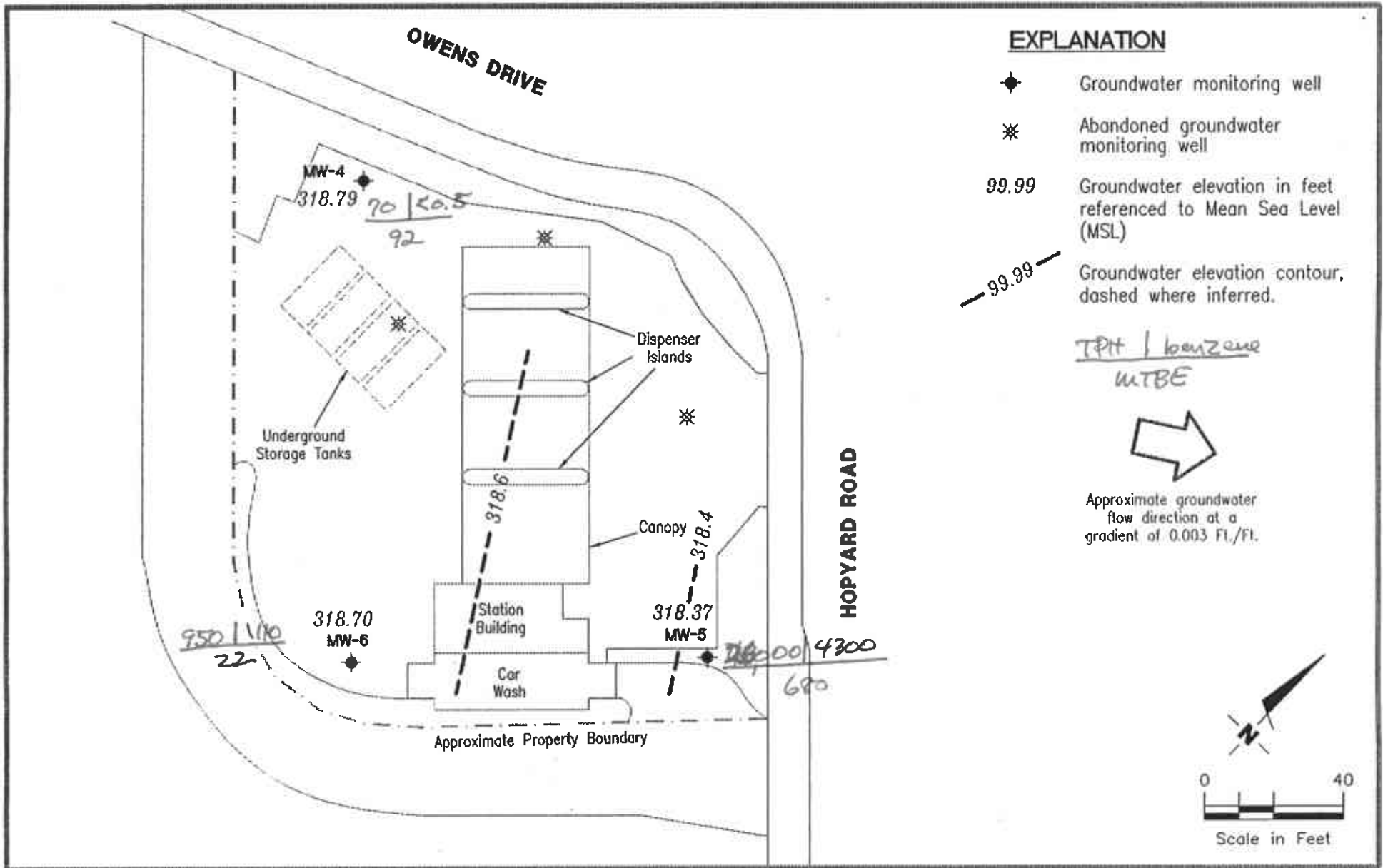
*Deanna L. Harding*  
Deanna L. Harding  
Project Coordinator

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



DLH/PLS/dlh  
5242.QML

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



**Gettler - Ryan Inc.**

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

**POTENTIOMETRIC MAP**  
Chevron Service Station No. 9-0917  
5280 Hopyard Road  
Pleasanton, California

FIGURE

**1**

JOB NUMBER  
5242

REVIEWED BY  
*PLS*

DATE  
June 28, 1996

REVISED DATE



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0917, 5280 Hopyard Road, Pleasanton, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (mal)	Product Thickness* (ft)	TPH(G)	ppb				MTBE
						B	T	E	X	
MW-1/ 326.48	7/12/89	---	---	---	100	<0.5	<0.5	6	<0.5	---
	8/2/89	8.10	318.38	0	---	---	---	---	---	---
	10/24/89	7.51	318.97	0	<50	1	<0.5	13	<0.5	---
	3/12/90	8.41	318.07	0	140	0.8	<0.5	1	<0.5	---
	3/26/90	8.14	318.34	0	---	---	---	---	---	---
	6/22/90	8.31	318.17	0	<50	<0.5	<0.5	<0.5	<0.5	---
	9/11/90	8.14	318.35	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/18/91	8.02	318.34	0	77	<0.5	<0.5	<0.5	<0.5	---
MW-2/ 327.53	7/17/89	---	---	0	<50	<0.5	<0.5	<0.5	<0.5	---
	8/2/89	9.05	318.48	0	---	---	---	---	---	---
	10/24/89	9.24	318.29	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/12/90	10.07	317.46	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/90	10.05	317.48	0	---	---	---	---	---	---
	6/22/90	10.05	317.48	0	<50	<0.5	<0.5	<0.5	<0.5	---
	9/11/90	9.68	317.85	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/18/91	9.23	318.30	0	<50	<0.5	<0.5	<0.5	<0.5	---
MW-3/ 326.47	7/17/89	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	---
	8/2/89	8.15	318.32	0	---	---	---	---	---	---
	10/24/89	7.59	318.88	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/12/90	8.47	318.00	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/90	8.83	317.64	0	---	---	---	---	---	---
	6/22/90	8.83	317.64	0	<50	0.4	<0.5	0.8	<0.5	---
	9/11/90	8.41	318.06	0	<50	<0.5	<0.5	<0.5	<0.5	---
	4/18/91	7.98	318.49	0	<50	<0.5	<0.5	<0.5	<0.5	---
MW-4/ 327.28	9/16/91	9.59	317.69	0	<50	<0.5	<0.5	<0.5	<0.5	---
	1/22/92	9.49	317.79	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/26/92	8.89	318.39	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/5/92	9.22	318.06	0	<50	<0.5	<0.5	<0.5	<0.5	---
	9/23/92	9.35	317.93	0	<50	<0.5	<0.5	<0.5	<0.5	---
	12/30/92	8.28	319.00	0	<50	<0.5	<0.5	<0.5	<0.5	---
	3/22/93	8.25	319.03	0	<50	<0.5	<0.5	<0.5	<0.5	---
	6/14/93	9.16	318.12	0	---	---	---	---	---	---
	7/25/93	9.10	318.18	0	<50	<0.5	<0.5	<0.5	<0.5	---
	9/23/93	8.70	318.58	0	<50	<0.5	<0.5	<0.5	<0.5	---
	12/28/93	9.90	317.38	0	<50	<0.5	<0.5	<0.5	0.5	---
	3/21/94	9.25	318.03	0	<50	1.0	2.0	0.5	1.9	---
	6/7/94	9.05	318.23	0	<50	<0.5	<0.5	<0.5	<0.5	---
	10/7/94	8.97	318.31	0	<50	<0.5	<0.5	<0.5	<0.5	---



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0917, 5280 Hopyard Road, Pleasanton, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	←-----ppb-----→				MTBE
						B	T	E	X	
MW-4 (cont)	12/29/94	9.22	318.06	0	<50 <sup>2</sup>	<0.5	1.1	0.8	2.7	--
	3/6/95	9.02	318.26	0	<50	<0.5	<0.5	<0.5	<0.5	--
	6/14/95	8.81	318.47	0	170	<0.5	<0.5	<0.5	<0.5	--
	9/14/95	9.28	318.00	0	<50	1.0	<0.5	1.6	<0.5	--
	12/16/95	7.86	319.42	0	<50	<0.5	<0.5	<0.5	<0.5	150
	3/28/96	8.34	318.94	0	<50	<0.5	<0.5	<0.5	<0.5	53
	6/28/96	8.49	318.79	0	70	<0.5	<0.5	<0.5	<0.5	92
MW-5/ 327.82	9/16/91	10.06	317.76	0	12,000	4,000	29	1,600	92	--
	1/22/92	10.58	317.24	0	44,000	2,000	320	5,700	2,400	--
	3/26/92	9.18	318.64	0	39,000	3,200	210	5,700	2,400	--
	6/5/92	9.90	317.92	0	28,000	3,800	140	4,000	2,000	--
	9/23/92	9.97	317.85	0	40,000	2,000	290	2,900	1,800	--
	12/30/92	8.80	319.02	0	44,000	9,000	190	3,100	1,600	--
	3/22/93	9.33	318.49	0	43,000	6,500	170	2,400	2,400	--
	6/14/93	9.78	318.04	0	--	--	--	--	--	--
	7/25/93	9.72	318.10	0	43,000	550	45	2,700	1,100	--
	9/23/93	9.42	318.40	0	44,000 <sup>2</sup>	14,000	640	3,700	1,800	--
	12/28/93	9.67	318.15	0	56,000	12,000	590	4,100	1,600	--
	3/21/94	9.71	318.11	0	48,000	12,000	600	4,700	1,600	--
	6/7/94	9.72	318.10	0	42,000	13,000	480	3,700	1,200	--
	10/7/94	9.55	318.27	0	15,000	1,100	41	950	34	--
	12/29/94	9.92	317.90	0	45,000	12,000	460	3,600	1,400	--
	3/6/95	9.32	318.50	0	40,000	9,700	210	3,500	700	--
	6/14/95	9.41	318.41	0	42,000	8,000	170	3,700	640	--
	9/14/95	10.52	317.30	0	26,000 <sup>2</sup>	4,100	85	2,000	270	--
	12/16/95	8.34	319.48	0	35,000	7,300	<0.5	2,900	420	<500
	3/28/96	9.73	318.09	0	30,000	5,200	160	3,500	600	<500
6/28/96	9.45	318.37	0	26,000	5,200	60	2,100	200	<500	
MW-6/ 328.48	9/16/91	10.61	317.87	0	6,200	1,300	3.9	550	78	--
	1/22/92	10.30	318.18	0	18,000	2,800	48	2,000	440	--
	3/26/92	9.50	318.98	0	21,000	3,300	17	2,100	300	--
	6/5/92	10.34	318.14	0	14,000	2,800	9.2	1,800	270	--
	9/23/92	10.56	317.92	0	19,000	1,000	40	1,200	230	--
	12/30/92	9.75	318.71	0	15,000	1,100	<5	1,000	77	--
	3/22/93	9.27	319.21	0	15,000	1,300	10	770	220	--
	6/14/93	10.15	318.33	0	--	--	--	--	--	--
	7/25/93	10.25	318.23	0	6,400	630	<2.5	440	6	--
	9/23/93	10.17	318.31	0	9,500	1,000	23	690	110	--
	12/28/93	10.52	317.96	0	11,000	890	31	730	48	--



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0917, 5280 Hopyard Road, Pleasanton, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	←----- ppb -----→				MTBE
						B	T	E	X	
MW-6 (cont)	3/21/94	10.28	318.20	0	5,700	380	10	270	22	—
	6/7/94	10.28	318.20	0	5,300	600	4.4	370	26	—
	10/7/94	10.42	318.06	0	2,600	270	<5.0	110	<5.0	—
	12/29/94	10.25	318.23	0	4,500	560	6.2	360	<5.0	—
	3/6/95	9.36	319.12	0	4,100	480	15	290	20	—
	6/14/95	10.11	318.37	0	2,800	180	6.9	110	6.6	—
	9/14/95	10.27	318.21	0	3,100 <sup>s</sup>	370	<0.5	250	<0.5	—
	12/16/95	9.27	319.21	0	1,900	210	<0.5	76	<0.5	<13
	3/28/96	9.35	319.13	0	1,000	120	<0.5	64	<0.5	<5.0
	6/28/96	9.78	318.70	0	950	110	0.8	44	<0.5	22
Trip Blank	6/22/90	—	—	—	<50	<0.3	<0.3	<0.3	<0.6	—
	9/16/91	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	1/22/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/26/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	6/5/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/23/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
TB-LB	12/30/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/22/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	7/25/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/23/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/28/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/21/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	6/7/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	10/7/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/29/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/6/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	6/14/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/14/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/16/95	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<2.5
	3/28/96	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0
6/28/96	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
Bailer Blank BB	3/22/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	7/25/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	9/23/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	12/28/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	3/21/94	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-0917, 5280 Hopyard Road, Pleasanton, California (continued)

EXPLANATION:

DTW = Depth to water  
TOC = Top of casing elevation  
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 applicable/not available

ANALYTICAL METHODS:

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

NOTES:

Water level elevation data and laboratory analytic results prior to June 14, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

- \* Product thickness was measured with an MMC flexi-dip interface probe on and after March 22, 1993.
- <sup>1</sup> Wells MW-1, MW-2 and MW-3 were abandoned on April 18 and 19, 1991.
- <sup>2</sup> Uncategorized compound not included in gasoline hydrocarbon concentration.
- <sup>3</sup> Uncategorized compound not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.





## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss 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 USA 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 6-28-96  
 ADDRESS 5280 Hopyard Rd JOB # 5242-85  
 CITY Pleasanton SS# 9-0917

Well ID MW-4 Well Condition OK

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

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 25-0 ft

Depth to Liquid 8-49 ft

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

# of casing Volume 16.51 x 0.17 x(VF) 2.8 #Estimated 0.4 gal.  
 'purge Volume

Purge Equipment Stack Pump Sampling Equipment Disposable Bailer

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

Starting Time 8:18 Purging Flow Rate 1.5 gpm.

Sampling Time 8:29

Time	pH	Conductivity	Temperature	Volume
<u>8:20</u>	<u>6.77</u>	<u>17500</u>	<u>16.9</u>	<u>3.0</u>
<u>8:22</u>	<u>6.88</u>	<u>15640</u>	<u>17.6</u>	<u>6.0</u>
<u>8:24</u>	<u>6.90</u>	<u>15510</u>	<u>17.8</u>	<u>9.0</u>
<u>8:29</u>	<u>6.91</u>	<u>15500</u>	<u>17.9</u>	<u>10.0</u>

Weather Conditions sunny

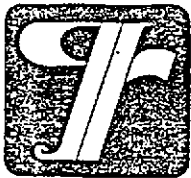
Water Color: clear Odor: none

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>GA BTEX w/MSB</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 6-28-96  
 ADDRESS 5280 Hopyard Rd JOB # 5242-85  
 CITY Pleasanton SS# 9-0917

Well ID MW-5 Well Condition O.K.

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

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 24.0 ft

Depth to Liquid 9.45 ft

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

# of casing Volume 14.55 x 0.17 x (VF) 2.5 # Estimated 7.5 gal. purge Volume

Purge Equipment Stack Pump Sampling Equipment Disposable Bailer

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

Starting Time 9:00 Purging Flow Rate 1.5 gpm.

Sampling Time 9:11

Time	pH	Conductivity	Temperature	Volume
<u>9:02</u>	<u>6.92</u>	<u>3890</u>	<u>18.9</u>	<u>3</u> gal
<u>9:04</u>	<u>6.87</u>	<u>4450</u>	<u>18.4</u>	<u>6</u> gal
<u>9:06</u>	<u>6.84</u>	<u>4700</u>	<u>18.3</u>	<u>9</u> gal
<u>9:11</u>	<u>6.87</u>	<u>4720</u>	<u>18.7</u>	<u>10</u> gal ✓

Weather Conditions Sunny  
 Water Color: clear Odor: strong  
 Sediment Description none

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-5</u>	<u>2X40ml</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>GU BTEX W/MABE</u>

Comments \_\_\_\_\_



### WELL SAMPLING FIELD DATA SHEET

SAMPLER G. Sanchez DATE 6-28-96  
 ADDRESS 5280 Hopyard Rd JOB # 5242.85  
 CITY Pleasanton SS# 9-0917

Well ID MW-6 Well Condition OK

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

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 25.0 ft

Depth to Liquid 9.78 ft

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

# of casing Volume 15.22 x 0.17 x (VF) 2.4 #Estimated 7.8 gal. purge Volume

Purge Equipment Stack Pump Sampling Equipment Disposable Bailer

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

Starting Time 8:40 Purging Flow Rate 1.5 gpm.

Sampling Time 8:51

Time	pH	Conductivity	Temperature	Volume
<u>8:42</u>	<u>6.92</u>	<u>10060</u>	<u>18.4</u>	<u>3 gal</u>
<u>8:44</u>	<u>6.90</u>	<u>10300</u>	<u>18.5</u>	<u>6</u>
<u>8:46</u>	<u>6.88</u>	<u>10440</u>	<u>18.7</u>	<u>9</u>
<u>8:51</u>	<u>6.83</u>	<u>10450</u>	<u>18.7</u>	<u>12</u>

Weather Conditions Sunny

Water Color: Clear Odor: un. id

Sediment Description none

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-6</u>	<u>2X40ml</u>	<u>Y</u>	<u>HCL</u>	<u>GTEL</u>	<u>GU BTEX W/MSD</u>

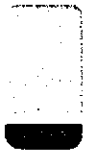
Comments \_\_\_\_\_

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-0917</u>	Chevron Contact (Name) <u>Kenneth Kon Robert FSA</u>
	Facility Address <u>5280 Hopyard Rd Pleasanton</u>	(Phone) <u>(510) 242-8752</u>
	Consultant Project Number <u>5242-85</u>	Laboratory Name <u>GTEC</u>
	Consultant Name <u>Gettler-Ryan</u>	Laboratory Release Number <u>3502860</u>
	Address <u>6747 Sierra Ct, Ste J, Dublin 94568</u>	Samples Collected by (Name) <u>Guadalupe Sanchez</u>
Project Contact (Name) <u>Deanna Harding</u>	Collection Date <u>6-28-96</u>	Signature <u>Guadalupe Sanchez</u>
(Phone) <u>510 551-7555</u>	(Fax Number) <u>510 551-7888</u>	

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed											DO NOT BILL TB-LB ANALYSIS  20C No Seals Remarks					
								TPH Gas + BTEX w/MTBE (8016)	TPH Diesel (8015)	Oil and Grease (8020)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals (Cd, Cr, Pb, Zn, Ni) (ICAP or AA)									
TR-LB	1	2	W	G	-	HCL	Yes	X																
MW-4	2	3	↓	↓	8:29	↓	↓	↓																
MW-6	3	↓	↓	↓	8:51	↓	↓	↓																
MW-5	4	↓	↓	↓	9:11	↓	↓	↓																

025090901

Relinquished By (Signature) <u>Guadalupe Sanchez</u>	Organization <u>GTR</u>	Date/Time <u>6/28/96 9:36</u>	Received By (Signature) <u>D. Harding</u>	Organization <u>GTR</u>	Date/Time <u>6/28/96 9:30</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>GTR</u>	Date/Time <u>6/28/96 12:15</u>	Received By (Signature) <u>John Weber</u>	Organization <u>NEI/GTEC</u>	Date/Time <u>6/28/96</u>	
Relinquished By (Signature) <u>John Weber</u>	Organization <u>NEI/GTEC</u>	Date/Time <u>6/28/96</u>	Received For Laboratory By (Signature) <u>Dan Smith</u>		Date/Time <u>6/29/96/9:40</u>	



# NEI/GTEL

ENVIRONMENTAL  
LABORATORIES, INC.

**Midwest Region**

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

July 10, 1996

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

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RE: GTEL Client ID:	GTR01CHV08
Login Number:	W6060520
Project ID (number):	5242.85
Project ID (name):	CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

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Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 06/29/96.

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: W6060520  
 Project ID (number): 5242.85  
 Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

Method: EPA 8020A  
 Matrix: Aqueous

GTEL Sample Number	W6060520-01	W6060520-02	W6060520-03	W6060520-04
Client ID	TB-LB	MW-4	MW-6	MW-5
Date Sampled		06/28/96	06/28/96	06/28/96
Date Analyzed	07/08/96	07/10/96	07/10/96	07/09/96
Dilution Factor	1.00	1.00	1.00	25.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	92.	22.	680
Benzene	0.5	ug/L	< 0.5	< 0.5	110	4300
Toluene	0.5	ug/L	< 0.5	< 0.5	0.8	60.
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	44.	2100
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	200
BTEX (total)	--	ug/L	--	--	160	6700
TPH as Gasoline	50	ug/L	< 50	70	950	26000

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: W6060520  
Project ID (number): 5242.85  
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/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: W6060520  
Project ID (number): 5242.85  
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/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%
070896GC17-1	CV0708962017	Calibration Verifi	88.4
070896GC17-10	DP06052004	Duplicate	118.
070896GC17-5	BW07089617	Method Blank Water	90.2
070896GC17-7	MS06050203	Matrix Spike	86.5
--	06052001	TB-LB	87.3
--	06052002	MW-4	100.
--	06052003	MW-6	110.
--	06052004	MW-5	125.

Notes:

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

Project ID (Number): 5242.85  
Project ID (Name): Chevron SS #9-0917  
5280 Hopyard Rd.  
Pleasanton, CA  
Work Order Number: W6-06-0520  
Date Reported: 07-10-96

METHOD BLANK REPORT

Volatile Organics in Water  
EPA Method 8020

Date of Analysis:

08-Jul-96

QC Batch No:

070896GC17-5

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: W6060520  
Project ID (number): 5242.85  
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/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:070896GC17-1		
Benzene	20.0	16.2	81.0	77-123%
Toluene	20.0	16.9	84.5	77.5-122.5%
Ethylbenzene	20.0	17.4	87.0	63-137%
Xylenes (Total)	60.0	51.7	86.2	85-115%
TPH as Gasoline	500	458	91.6	80-120%

Notes:

QC check source: Supelco #LA12389

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS  
 Login Number: W6060520  
 Project ID (number): 5242.85  
 Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

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: 070896GC17-10	GTEL Sample ID: W6060520-04	Client ID: MW-5
MTBE	698	683	2.17	20
Benzene	4420	4320	2.29	23.9
Toluene	60.8	59.7	1.83	27.2
Ethylbenzene	2160	2100	2.82	21.6
Xylenes (Total)	212	208	1.90	22.0
TPH as Gasoline	26900	26100	3.02	20

Notes:

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

GTEL Client ID: GTR01CHV08  
Login Number: W6060520  
Project ID (number): 5242.85  
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

QUALITY CONTROL RESULTS

Volatile Organics  
Method: EPA 8020A  
Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W6060502-03 Analysis Date: 08-JUL-96		MS ID:MS06050203 09-JUL-96			
Units: ug/L Analyte	Sample Conc.	Spike Added	MS Conc.	MS % Rec.	Acceptability Limits %Rec.
Benzene	< 0.5 (0.000)	20.0	18.3	91.5	67-110
Toluene	< 0.5 (0.000)	20.0	18.3	91.5	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	18.3	91.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	54.1	90.2	62-119

Notes:

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