Chevron

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

February 27, 1997

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

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

Dear Mr. Seery:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1996 quarterly sampling reports prepared by Gettler-Ryan Inc., for the above noted site.

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, with wells MW-5 and MW-6 showing results consistent with previous sampling events.

Depth to groundwater varied from 8.18 to 9.03 feet below grade with the 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. We are still waiting to receive access from one of the property owners, which is expected within the next sixty days. 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

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

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

GETTLER-RYAN INC.

February 5, 1997

Job #5242.80

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

Re: Fourth Quarter Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

Dear Mr. Briggs:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On December 30, 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 December 30, 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. 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 Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

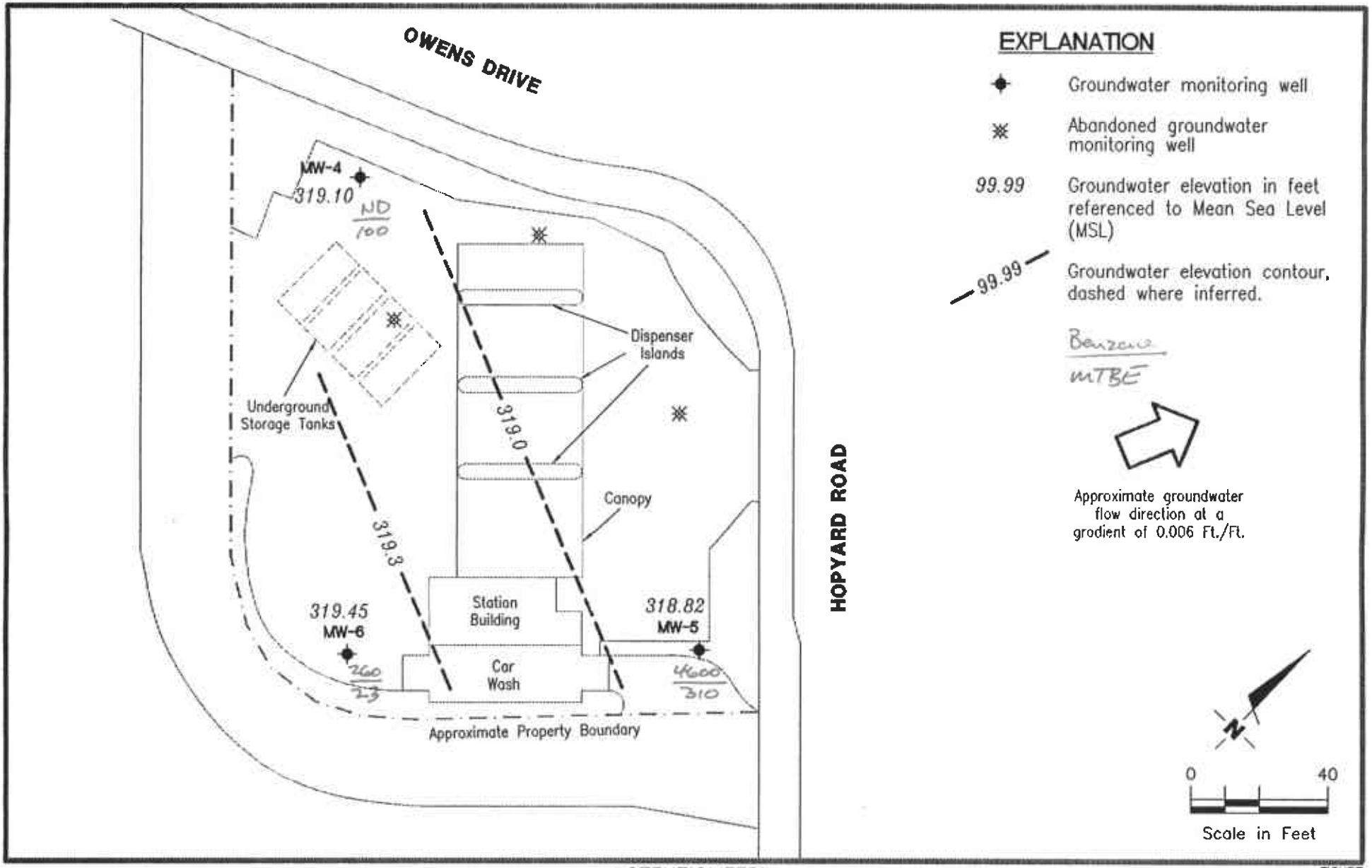
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Senior Geologist, R.G. No. 5577

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

DLH/SJC/dh
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	REVIEWED BY	DATE	REVISED DATE
5242		December 30, 1996	

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 (msl)	Product Thickness* (ft)	TPH(G)	B	T	E	X	MTBE
					<--------		ppb			-------->
MW-1[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[1]/ 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[1]/ 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	—

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)	B	T	E	X	MTBE
					<--------	ppb				-------->
MW-4 (cont)	10/7/94	8.97	318.31	0	<50	<0.5	<0.5	<0.5	<0.5	—
	12/29/94	9.22	318.06	0	<50[2]	<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
	9/26/96	8.44	318.84	0	—	—	—	—	—	—
	12/30/96	**8.18**	**319.10**	**0**	**<50[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	[redacted]
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[2]	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[2]	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	<250
	6/28/96	9.45	318.37	0	26,000	4,300	60	2,100	200	680
	9/26/96	9.87	317.95	0	15,000	2,700	59	1,300	140	400
	12/30/96	**9.00**	**318.82**	**0**	**34,000**	**4,600**	**120**	**2,800**	**660**	[redacted]
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	—

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)	B	T	E	X	MTBE
					<----------ppb---------->					
MW-6 (cont)	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	—
	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[3]	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
	9/26/96	9.46	319.02	0	1,100	120	1.6	48	<0.5	17
	12/30/96	**9.03**	**319.45**	**0**	**3,200**	[redacted]	**2.3**	**120**	**<0.5**	**23**
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	—
TB-LB	9/23/92	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
	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
	9/26/96	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	12/30/96	—	—	—	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**

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)	B	T	E	X	MTBE
					<ppb>					
Bailer Blank	3/22/93	—	—	—	<50	<0.5	<0.5	<0.5	<0.5	—
BB	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	—

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 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 analytical 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.

1 Wells MW-1, MW-2 and MW-3 were abandoned on April 18 and 19, 1991.
2 Uncategorized compound not included in gasoline hydrocarbon concentration.
3 Uncategorized compound not included in gasoline concentration. Data obtained from multiple dilutions. Dilution factor noted represents the dilution used for majority of results.
4 Laboratory report indicates the TPH as gasoline value was 100 mg/L which was attributed to the presence of MTBE.

5242.TQM

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: Clyde Galantine | DATE: 12/30/96

ADDRESS: 5280 Hopyard Rd | JOB #: 5242.8

CITY: Pleasanton | SS#: 9-0917

Well ID: MW-4 | Well Condition: OK

Well Location Description:

Well Diameter: 2 in | Hydrocarbon Thickness:

Total Depth: 25 ft

Depth to Liquid: 8.18 ft

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

# of casing Volume: 16.82 x 0.17 x(VF) 3 = 2.9 | #Estimated purge Volume: 9 gal.

Purge Equipment: Stack pump | Sampling Equipment: disp bailer

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

Starting Time: 10:18 | Purging Flow Rate: 3 gpm.

Sampling Time: 10:25

Time	pH	Conductivity	Temperature	Volume
10:18	7.42	11.22	20.5	1
10:19	7.18	9.73	20.6	3
10:21	7.07	11.40	20.2	9
10:25	6.90	11.05	20.5	Sample

Weather Conditions: Overcast

Water Color: Clear | Odor: —

Sediment Description: None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-4	Voas	X	HCL	GTEL	TPH-G, BTEX, MTBE
M					

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Clyde Galantine | DATE: 12/30/96

ADDRESS: 5260 Hopyard Rd | JOB #: 5242.8

CITY: Pleasanton | SS#: 9-0917

Well ID: MW-5 | Well Condition: OK

Well Location Description:

Well Diameter: 2 in | Hydrocarbon Thickness:

Total Depth: 24 ft

Depth to Liquid: 9.00 ft

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

# of casing Volume: 15.00 x .17 x(VF) 3 = 7.65 → 2.6 #Estimated purge Volume: 8 gal.

Purge Equipment: stack pump | Sampling Equipment: disp bailer

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

Starting Time: 11:00 | Purging Flow Rate: 3 gpm.

Sampling Time: 11:08

Time	pH	Conductivity	Temperature	Volume
11:00	7.08	3420	19.2	1
11:02	7.09	2560	19.9	4
11:03	7.02	2690	20.0	8
11:08	7.01	2370	19.7	Sample

Weather Conditions: Overcast

Water Color: clear | Odor: hydrocarbon

Sediment Description: —

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-5	Voas	X	HCL	GTEL	TPH-G, BTEX, MTBE
M					

Comments:

WELL SAMPLING FIELD DATA SHEET

SAMPLER: Clyde Galantone | DATE: 12/30/96

ADDRESS: 5260 Hopyard Rd | JOB #: 5242.8

CITY: Pleasanton | SS#: 9-0917

Well ID: MW-6 | Well Condition: OK

Well Location Description:

Well Diameter: 2 in | Hydrocarbon Thickness:

Total Depth: 25 ft

Depth to Liquid: 9.03 ft

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

# of casing Volume: 15.97 x .17 x(VF) #Estimated purge Volume: 8 gal. (2.7)

Purge Equipment: Stackpump | Sampling Equipment: disp. bailer

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

Starting Time: 10:40 | Purging Flow Rate: 3 gpm.

Sampling Time: 10:45

Time	pH	Conductivity	Temperature	Volume
10:40	7.06	7.76	19.5	1
10:42	7.10	9.33	20.2	4
10:43	7.00	7.91	20.3	8
10:45	6.99	7.40	20.1	

Weather Conditions: Overcast

Water Color: clear | Odor: ~~Sav~~ slight

Sediment Description:

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
MW-6	Voas	X	HCL	GTEL	TPH-G, BTEX, MTBE
M					

Comments:

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

Chain-of-Custody-Record

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

Chevron Facility Number: #9-0917
Facility Address: 5280 Hopyard Road, Pleasanton, CA
Consultant Project Number: 5242
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): Mr. Phil Briggs
(Phone) (510) 842-9136
Laboratory Name: NEI/GTEL Service Code: ZZ02790
Laboratory Service Order # 9033195
Samples Collected by (Name): Clyde Galantine
Collection Date: 12/30/96
Signature: Clyde Galantine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL TB-LB ANALYSIS / Remarks
MW-4	1	3	W	G	10:25		Y	X												
MW-5	2	3	W	G	11:08		Y	X												
MW-6	3	3	W	G	10:45		Y	X												
TB-LB	4	2	W	G	—		Y	X												

W701004 1

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Clyde Galantine	G-R Inc.	12/30/96 18:00	D. Harding	G-R Inc.	12/31/96 8:00
D. Harding	G-R Inc.	12/31/96 10:55	John Weber	NEI/GTEL	12/31/96 10:55
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Jan Ormsbee		1-4-97 8:30

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

no seals
30 ℃

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

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

January 7, 1997

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

RE: GTEL Client ID: GTR01CHV08
Login Number: W7010041
Project ID (number): 5242
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 01/04/97.

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: W7010041
Project ID (number): 5242
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA

Method: EPA 8020A
Matrix: Aqueous

GTEL Sample Number	W7010041-01	W7010041-02	W7010041-03	W7010041-04
Client ID	MW-4	MW-5	MW-6	TB-LB
Date Sampled	12/30/96	12/30/96	12/30/96	
Date Analyzed	01/06/97	01/06/97	01/06/97	01/06/97
Dilution Factor	1.00	20.0	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:			
MTBE	5.0	ug/L	100	310	23.	< 5.0
Benzene	0.5	ug/L	< 0.5	4600	260	< 0.5
Toluene	0.5	ug/L	< 0.5	120	2.3	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	2800	120	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	660	< 0.5	< 0.5
BTEX (total)	--	ug/L	--	8200	380	--
TPH as Gasoline	50	ug/L	< 50	34000	3200	< 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.

W7010041-01:

The TPH as Gasoline value was 100 ug/L which was attributed to the presence of MTBE.

GTEL Client ID: GTR01CHV08
Login Number: W7010041
Project ID (number): 5242
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: W7010041
Project ID (number): 5242
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%
010697GC14-1	CV0106972014	Calibration Verifi	118.
010697GC14-12	MS01004101	Matrix Spike	115.
010697GC14-14	DP01004102	Duplicate	112.
010697GC14-5	BW01069714	Method Blank Water	116.
--	01004101	MW-4	99.5
--	01004102	MW-5	115.
--	01004103	MW-6	121.
--	01004104	TB-LB	108.

Notes:

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

Project ID (Number): 5242
Project ID (Name): Chevron SS #9-0917
5280 Hopyard Rd.
Pleasanton, CA
Work Order Number: W7-01-0041
Date Reported: 01-07-97

METHOD BLANK REPORT

Volatile Organics in Water
EPA Method 8020A

Date of Analysis: 06-Jan-97 QC Batch No: 010697GC14-5

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 QUALITY CONTROL RESULTS
Login Number: W7010041 Volatile Organics
Project ID (number): 5242 Method: EPA 8020A
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA 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:010697GC14-1			
Benzene		20.0	18.7	93.5	77-123%
Toluene		20.0	18.1	90.5	77.5-122.5%
Ethylbenzene		20.0	16.7	83.5	63-137%
Xylenes (Total)		60.0	57.8	96.3	85-115%
TPH as Gasoline		500.	551	110.	80-120%

Notes:
QC check source: Supelco #LA12389

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010041 Volatile Organics
Project ID (number): 5242 Method: EPA 8020A
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A Units: ug/L	QC Batch: 010697GC14-14	GTEL Sample ID: W7010041-02		Client ID: MW-5
MTBE	305.	305.	NA	20
Benzene	4570	4680	2.38	23.9
Toluene	121.	120.	0.830	27.2
Ethylbenzene	2770	2840	2.50	21.6
Xylenes (Total)	661.	662.	0.151	22.0
TPH as Gasoline	34300	35000	2.02	20

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

GTEL Client ID: GTR01CHV08 QUALITY CONTROL RESULTS
Login Number: W7010041 Volatile Organics
Project ID (number): 5242 Method: EPA 8020A
Project ID (name): CHEVRON/9-0917/5280 HOPYARD RD/PLEASANTON/CA Matrix: Aqueous

Matrix Spike(MS) Results

GTEL Sample ID:W7010041-01			MS ID:MS01004101		
Analysis Date: 06-JAN-97			06-JAN-97		
Units: ug/L	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.5 (0.0800)	20.0	18.7	93.1	67-110
Toluene	< 0.5 (0.000)	20.0	17.7	88.5	68-115
Ethylbenzene	< 0.5 (0.000)	20.0	16.5	82.5	65-120
Xylenes (Total)	< 0.5 (0.000)	60.0	55.1	91.8	62-119

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