



# GETTLER-RYAN INC.

## TRANSMITTAL

January 16, 2001  
G-R #386383

TO: Mr. James Brownell  
Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Suite 200  
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: Chevron Service Station  
#9-4800  
1700 Castro Street  
Oakland, California

### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	November 30, 2000	Groundwater Monitoring and Sampling Report Third Quarter Event of September 30, 2000

### COMMENTS:

Enclosed are copies of the above referenced report for your review and distribution to the following:

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

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *January 29, 2001*, at which time the final report will be distributed to the following:

Mr. Greg Gurrss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670.

Enclosures

trans/9-4800.tb



# GETTLER-RYAN INC.

November 30, 2000  
G-R Job #386383

Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Third Quarter Event of September 30, 2000**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

Dear Mr. Bauhs:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding  
Project Coordinator

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

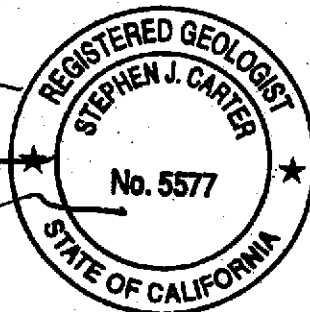
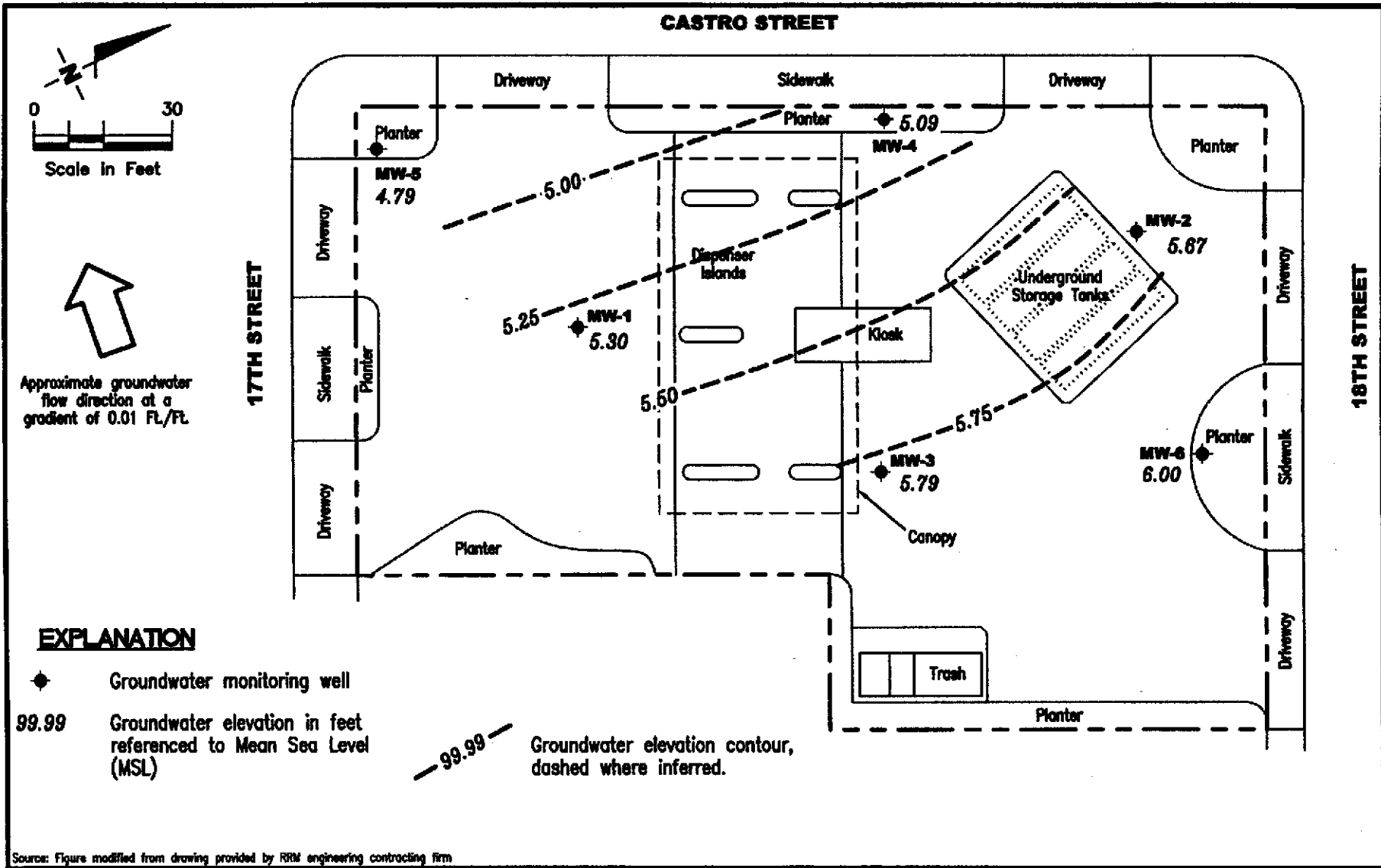


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Compounds  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



**Gettler - Ryan Inc.**

8747 Sierra Ct., Suite J  
Dublin, CA 94568 (925) 551-7535

**POTENTIOMETRIC MAP**  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

FIGURE  
**1**

PROJECT NUMBER  
**386383**

REVIEWED BY

DATE  
**September 30, 2000**

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
<b>MW-1</b>										
06/04/97	30.75	4.39	25.82	71 <sup>1</sup>	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	75 <sup>1</sup>	1600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	65 <sup>1</sup>	940	120	100	41	160	<25
03/18/98	30.75	5.90	24.85	77 <sup>1</sup>	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	140 <sup>1</sup>	1100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280 <sup>1</sup>	1700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240 <sup>1</sup>	1700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	98 <sup>1</sup>	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	217 <sup>1</sup>	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	153 <sup>1</sup>	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	188 <sup>1,2</sup>	2760	287	199	139	502	<12.5
03/09/00 <sup>3</sup>	30.75	5.54	25.21	166 <sup>1</sup>	1590	238	94.9	72.2	247	22.3
06/10/00	30.75	5.73	25.02	--	1,460	242	47.8	83.8	151	97.3
09/30/00	30.75	5.30	25.45	240 <sup>7</sup>	650 <sup>6</sup>	130	49	69	190	21
<b>MW-2</b>										
06/04/97	30.00	5.13	24.87	4,000 <sup>1</sup>	13,000	790	30	420	1700	4000
09/16/97	30.00	5.06	24.94	2,200 <sup>1</sup>	4000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100 <sup>1</sup>	4100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,700 <sup>1</sup>	8400	1800	<50	350	630	13,000
06/28/98 <sup>4</sup>	30.00	6.21	23.79	4,400 <sup>1</sup>	9300	740	340	710	2300	3800
09/07/98	30.00	5.78	24.22	3,100 <sup>1</sup>	9900	1000	150	640	1800	4500/4100 <sup>5</sup>
12/09/98	30.00	5.31	24.69	1,900 <sup>1</sup>	8500	860	74	610	960	2600/2600 <sup>5</sup>
03/11/99	30.00	5.79	24.21	2,700 <sup>1</sup>	12,500	1520	42.2	645	2250	3400/5050 <sup>5</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
<b>MW-2 (cont)</b>										
06/17/99	30.00	5.69	24.31	7,150 <sup>1</sup>	27,000	2200	260	1500	5900	4700
09/29/99	30.00	5.45	24.55	3,030 <sup>1</sup>	6910	582	11.1	491	1170	1970
12/14/99	30.00	5.39	24.61	615 <sup>1,2</sup>	4230	282	12.3	284	690	631
03/09/00 <sup>3</sup>	30.00	6.08	23.92	3,300 <sup>1</sup>	15,300	1110	39.4	1040	3030	2470
06/10/00	30.00	6.13	23.87	--	7,360	560	40.7	627	1,280	1,260
09/30/00	30.00	5.67	24.33	1,800 <sup>7</sup>	3,600 <sup>6</sup>	280	<10	420	430	290
<b>MW-3</b>										
06/04/97	31.32	5.27	26.05	<50	190	26	20	1.5	16	8.2
09/16/97	31.32	5.17	26.15	<50	270	58	53	6.1	30	21
12/17/97	31.32	5.22	26.10	<50	290	50	54	8.1	37	21
03/18/98	31.32	6.42	24.90	<50	390	140	33	4.6	30	94
06/28/98	31.32	6.39	24.93	<50	290	90	11	1.6	13	150
09/07/98	31.32	5.97	25.35	<50	170	46	20	4.3	19	120
12/09/98	31.32	5.41	25.91	55 <sup>1</sup>	660	120	93	22	72	150
03/11/99	31.32	5.85	25.47	<50	653	136	69.5	13.7	63.8	144
06/17/99	31.32	5.90	25.42	103 <sup>1</sup>	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	232 <sup>1</sup>	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	<50 <sup>2</sup>	8650	1040	795	212	800	995
03/09/00 <sup>3</sup>	31.32	6.14	25.18	74.6 <sup>1</sup>	1170	304	103	25.2	114	539
06/10/00	31.32	6.29	25.03	--	359	63.8	27.8	10.5	35.4	393
09/30/00	31.32	5.79	25.53	100 <sup>8</sup>	220 <sup>6</sup>	42	33	12	38	67

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-4800  
 1700 Castro Street  
 Oakland, California

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Kylenes	MTBE
<b>MW-4</b>										
04/08/99	30.13	--	--	--	130	3.1	<0.5	<0.5	7.7	4700
06/17/99	30.13	5.19	24.94	3,780 <sup>1</sup>	590	58	<5.0	<5.0	160	6200
09/29/99	30.13	4.96	25.17	1,130 <sup>1</sup>	692	10.7	<2.5	5.51	236	7840
12/14/99	30.13	4.91	25.22	571 <sup>1,2</sup>	625	<10	3.83	<10	94.6	4470
03/09/00 <sup>3</sup>	30.13	5.45	24.68	600 <sup>1</sup>	402	3.76	1.18	<0.5	71.4	3140
06/10/00	30.13	5.53	24.60	--	<1,000	13.2	<10.0	<10.0	97.8	3,080
09/30/00	30.13	5.09	25.04	1,400 <sup>7</sup>	280 <sup>6</sup>	21	0.67	6.3	60	3,300
<b>MW-5</b>										
04/08/99	30.93	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/17/99	30.93	4.93	26.00	53.8 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.93	4.73	26.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	30.93	4.61	26.32	<50 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	0.598
03/09/00 <sup>3</sup>	30.93	5.00	25.93	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	30.93	5.21	25.72	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.93	4.79	26.14	130 <sup>8</sup>	<50	<0.50	<0.50	<0.50	<0.50	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	TPH-Diesel	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
<b>MW-6</b>										
04/08/99	30.58	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4.5
06/17/99	30.58	5.99	24.59	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.58	5.81	24.77	<50	<50	<0.5	<0.5	<0.5	<0.5	4.46
12/14/99	30.58	5.74	24.84	<50 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/00 <sup>3</sup>	30.58	6.49	24.09	<50	<50	<0.5	<0.5	<0.5	<0.5	2.82
06/10/00	30.58	6.58	24.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.58	6.00	24.58	110 <sup>3</sup>	<50	<0.50	<0.50	<0.50	<0.50	7.3
<b>TRIP BLANK</b>										
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/09/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/17/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/00 <sup>3</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-4800  
1700 Castro Street  
Oakland, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 10, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary butyl ether

-- = Not Measured/Not Analyzed

- <sup>1</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>2</sup> Sample was extracted outside EPA recommended holding time.
- <sup>3</sup> TPH-Gasoline, Benzene, Toluene, Ethyl Benzene Xylene & MTBE was analyzed outside EPA recommended holding time.
- <sup>4</sup> EPA Method 8240.
- <sup>5</sup> Confirmation run.
- <sup>6</sup> Laboratory report indicates gasoline C6-C12.
- <sup>7</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.
- <sup>8</sup> Laboratory report indicates unidentified hydrocarbons >C16.



**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Chevron Service Station #9-4800  
 1700 Castro Street  
 Oakland, California

DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-4 04/08/99	<25,000	<5000	5400	<100	<100	<100
MW-5 04/08/99	<500	<100	<2.0	<2.0	<2.0	<2.0
MW-6 04/08/99	<500	<100	5.6	<2.0	<2.0	<2.0

**EXPLANATIONS:**

Groundwater laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

- TBA = Tertiary butyl alcohol
- MTBE = Methyl tertiary butyl ether
- DIPE = Di-isopropyl ether
- ETBE = Ethyl tertiary butyl ether
- TAME = Tertiary amyl methyl ether
- (ppb) = Parts per billion

## 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 an 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 for all samples. 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 MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron 9-4800 Job#: 386383  
 Address: 1700 Castro St. Date: 9-30-00  
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-1 Well Condition: o'k  
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)  
 Total Depth 29.88 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 25.45 ft. Factor (VF) 6" = 1.50 12" = 5.80

4.43 x VF .17 = .75 x 3 (case volume) = Estimated Purge Volume: 2.25 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 12:13 Weather Conditions: SUNNY  
 Sampling Time: 12:29 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: - gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:15	.50	8.06	750	75.1			
12:17	1.0	7.95	725	73.5			
12:20	2.0	8.10	707	73.1			

**LABORATORY INFORMATION**

SAMPLE ID	(#)- CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPHIG)/btax/mtbe
MW-1	3- VOAVIAL	Y	HCL	SEQUOIA	TPH-Diesel
	1 LITER	U	None	U	
	Amoel				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility# Chevron 9-4800 Job#: 386383  
 Address: 1700 Castro St. Date: 9-30-00  
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-3 Well Condition: OK  
 Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)  
 Total Depth 29.44 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 25.53 ft. Factor (VF) 6" = 1.50 12" = 5.80

3.91 x VF .17 = .66 x 3 (case volume) = Estimated Purge Volume: 1.99 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 11:40 Weather Conditions: SUNNY  
 Sampling Time: 12:01 Water Color: CLEAR Odor: YES  
 Purging Flow Rate: - gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
11:50	.50	7.91	675	73.4			
11:52	1.0	7.89	659	71.3			
11:53	2.0	7.92	657	69.7			

### LABORATORY INFORMATION

SAMPLE ID	CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPH(GI)/bTEX/mtbe
MW-3	3-VOAVIAL	Y	HCL	SEQUOIA	TPH-DIESEL
	1 LITER	"	NONE	"	
	AMBER				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility# Chevron 9-4800 Job#: 386383  
 Address: 1700 Castro St. Date: 9-30-00  
 City: Oakland, CA Sampler: FRANK T.

Well ID MW-5 Well Condition: OK  
 Well Diameter 2 in. Hydrocarbon Amount Bailed  
 Thickness: 0 (feet) (product/water): 0 (Gallons)  
 Total Depth 27.98 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 26.14 ft. Factor (VF) 6" = 1.50 12" = 5.80

1.84 x VF 17 = .31 X 3 (case volume) = Estimated Purge Volume: .93 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 10:54 Weather Conditions: SUNNY  
 Sampling Time: 11:08 Water Color: CLEAR Odor: NO  
 Purging Flow Rate: — gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 100$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
10:54	.5	8.08	662	68.6			
10:58	.50	8.01	658	68.9			
11:00	1.0	8.05	665	69.1			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
					TPH(GI)/btex/mtbe
MW-5	3 - VOAVIAL	Y	HCL	SEQUOIA	TPH - Diesel
	1 LITER	"	NONE	"	
	AUGER				

COMMENTS: \_\_\_\_\_

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

Chain-of-Custody-Record

Chevron Products Co.  
P.O. BOX 6004  
San Ramon, CA 94583  
FAX (925)842-8370

Chevron Facility Number #9-4800  
Facility Address 1700 CASTRO ST., OAKLAND, CA.  
Consultant Project Number 386383  
Consultant Name GETTLER-RYAN INC.  
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568  
Project Contact (Name) DEANNA L. HARDING  
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. TOM BAUHS  
(Phone) (925) 842-8898  
Laboratory Name SEQUOIA WD10096  
Laboratory Service Order \_\_\_\_\_  
Laboratory Service Code \_\_\_\_\_  
Sample Collected by (Name) FRANK TERMINONI  
Signature [Signature]

State Method:  CA  OR  WA  NW Series  CO  UT IDAHO

Sample Number	Number of Containers	Media: S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT IDAHO													Remarks
					BTX/MTBE/TPH GAS (8020 + 8015)	BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8210)	Petroleum Hydrocarbons (8010)	Petroleum Organics (8210)	Extractable Organics (8270)	Oil and Grease (8530)	Metals (COP or A) Cd, Cr, Pb, Zn, Ni	BTX (8020)	BTX/MTBE/Naph. (8020)	TPH - HCD	TPH-8 Extended	
TB-LB	1	W	HCL	9-30-00	X				01A									
MW-1	4			12:28	X	X			02A-D									
MW-2	4			12:59	X	X			03									
MW-3	4			12:01	X	X			04									
MW-4	4			11:35	X	X			05									
MW-5	4			11:08	X	X			06									
MW-6	4	↓	↓	10:42	X	X			07 ↓									

Relinquished By (Signature) <u>[Signature]</u>	Organization G-R INC.	Date/Time 10-2-00	Received By (Signature) <u>[Signature]</u>	Organization Sequoia	Date/Time 10-2-15	Iced <input checked="" type="checkbox"/> Y	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 9 Days 10 Days
Relinquished By (Signature) <u>[Signature]</u>	Organization Seq	Date/Time 10-2-15	Received By (Signature) _____	Organization _____	Date/Time _____	Iced Y/N _____	
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>[Signature]</u>	_____	Date/Time _____	Iced Y/N _____	



Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
30-Oct-00 07:21

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W010046-01	Water	30-Sep-00 00:00	02-Oct-00 16:20
MW-1	W010046-02	Water	30-Sep-00 12:28	02-Oct-00 16:20
MW-2	W010046-03	Water	30-Sep-00 12:59	02-Oct-00 16:20
MW-3	W010046-04	Water	30-Sep-00 12:01	02-Oct-00 16:20
MW-4	W010046-05	Water	30-Sep-00 11:35	02-Oct-00 16:20
MW-5	W010046-06	Water	30-Sep-00 11:08	02-Oct-00 16:20
MW-6	W010046-07	Water	30-Sep-00 10:42	02-Oct-00 16:20

Sequoia Analytical - Walnut Creek

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

  
Charlie Westwater, Project Manager





# Sequoia Analytical

404 N. Wiget Lane  
Walnut Creek, CA 94598  
(925) 988-9600  
FAX (925) 988-9673  
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin  
6747 Sierra Court Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: Chevron # 9-4800  
Project Manager: Deanna L. Harding

Reported:  
30-Oct-00 07:21

## Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W010046-04) Water Sampled: 30-Sep-00 12:01 Received: 02-Oct-00 16:20									P-01
Purgeable Hydrocarbons	220	50	ug/l	1	0J13005	13-Oct-00	13-Oct-00	EPA 8015M/8020	
Benzene	42	0.50	"	"	"	"	"	"	CC-3
Toluene	33	0.50	"	"	"	"	"	"	
Ethylbenzene	12	0.50	"	"	"	"	"	"	
Xylenes (total)	38	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	67	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		100 %		70-130	"	"	"	"	
MW-4 (W010046-05) Water Sampled: 30-Sep-00 11:35 Received: 02-Oct-00 16:20									P-01
Purgeable Hydrocarbons	280	50	ug/l	1	0J13005	13-Oct-00	13-Oct-00	EPA 8015M/8020	
Benzene	21	0.50	"	"	"	"	"	"	CC-3
Toluene	0.67	0.50	"	"	"	"	"	"	
Ethylbenzene	6.3	0.50	"	"	"	"	"	"	
Xylenes (total)	60	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		101 %		70-130	"	"	"	"	
MW-4 (W010046-05RE1) Water Sampled: 30-Sep-00 11:35 Received: 02-Oct-00 16:20									P-01
Methyl tert-butyl ether	3300	50	ug/l	20	0J13005	13-Oct-00	14-Oct-00	EPA 8015M/8020	CC-3
Surrogate: a,a,a-Trifluorotoluene		98.7 %		70-130	"	"	"	"	
MW-5 (W010046-06) Water Sampled: 30-Sep-00 11:08 Received: 02-Oct-00 16:20									
Purgeable Hydrocarbons	ND	50	ug/l	1	0J13005	13-Oct-00	13-Oct-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		103 %		70-130	"	"	"	"	







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30-Oct-00 07:21

**Diesel Hydrocarbons (C9-C24) by DHS LUFT  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (W010046-02) Water</b> Sampled: 30-Sep-00 12:28 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	240	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		133 %	50-150		"	"	"	"	
<b>MW-2 (W010046-03) Water</b> Sampled: 30-Sep-00 12:59 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	1800	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		133 %	50-150		"	"	"	"	S-04
<b>MW-3 (W010046-04) Water</b> Sampled: 30-Sep-00 12:01 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	100	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		118 %	50-150		"	"	"	"	
<b>MW-4 (W010046-05) Water</b> Sampled: 30-Sep-00 11:35 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	1400	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		189 %	50-150		"	"	"	"	S-04
<b>MW-5 (W010046-06) Water</b> Sampled: 30-Sep-00 11:08 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	130	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		121 %	50-150		"	"	"	"	
<b>MW-6 (W010046-07) Water</b> Sampled: 30-Sep-00 10:42 Received: 02-Oct-00 16:20									
Diesel Range Hydrocarbons	110	50	ug/l	1	0J13012	13-Oct-00	14-Oct-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		148 %	50-150		"	"	"	"	





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Reported:  
30-Oct-00 07:21

**Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0J13012 - EPA 3510B</b>										
<b>Blank (0J13012-BLK1)</b>										
Prepared: 13-Oct-00 Analyzed: 27-Oct-00										
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	22.3		"	33.3		67.0	50-150			
<b>LCS (0J13012-BS1)</b>										
Prepared: 13-Oct-00 Analyzed: 18-Oct-00										
Diesel Range Hydrocarbons	404	50	ug/l	500		80.8	60-140			
Surrogate: n-Pentacosane	37.3		"	33.3		112	50-150			
<b>LCS Dup (0J13012-BSD1)</b>										
Prepared: 13-Oct-00 Analyzed: 27-Oct-00										
Diesel Range Hydrocarbons	331	50	ug/l	500		66.2	60-140	19.9	50	
Surrogate: n-Pentacosane	46.0		"	33.3		138	50-150			

