



3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

March 12, 2001

Ms. Susan Hugo
Alameda County Health Care Service,
Department of Environmental Health
1153 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

MAR 15 2001

Subject: *Second Semi-Annual Event of August 29, 2000,
Groundwater Monitoring and Sampling Report
Chevron Service Station No. 9-1740
9550 Moraga Avenue
Oakland, California
Delta Project No. DG91-740*

Dear Ms. Hugo:

Attached for your review and comment is a letter report entitled *Second Semi-Annual Event of August 29, 2000, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the August 2000 groundwater monitoring and sampling event.

During the first half of 2001, the need for additional assessment if support of the site closure will be evaluated.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in black ink that reads "Jim Brownell". The signature is written in a cursive style with a large, looping initial "J".

Jim Brownell
Portfolio Manager

JRB (2nd Semi-annual 2000 QMR-9-1740.doc)
Enclosures



GETTLER-RYAN INC.

TRANSMITTAL

November 22, 2000

G-R #: 386507

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
9-1740
9550 Moraga Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	November 13, 2000	Groundwater Monitoring and Sampling Report Second Semi-Annual Event of August 29, 2000

COMMENTS:

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

**Ms. Susan Hugo, 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 **December 6, 2000**, at which time the final report will be distributed to the following:

Mr. Greg Gurss, Gettler-Ryan Inc., 3164 Gold Camp Drive, Suite 240, Rancho Cordova, CA 95670
Mr. Eddie So, RWQCB-San Francisco Bay Region, 2101 Webster Street, Ste. 500, Oakland, CA 94612

Enclosures

trans/9-1740-BH



GETTLER-RYAN INC.

November 13, 2000
G-R Job #386507

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

RE: Second Semi-Annual Event of August 29, 2000
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1740
6550 Moraga Avenue
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. Dissolved Oxygen Concentrations are presented in Table 2. 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

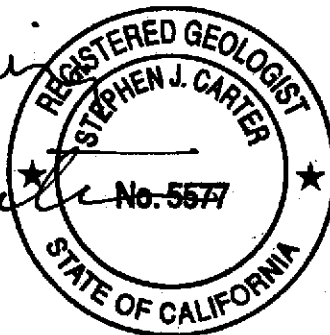
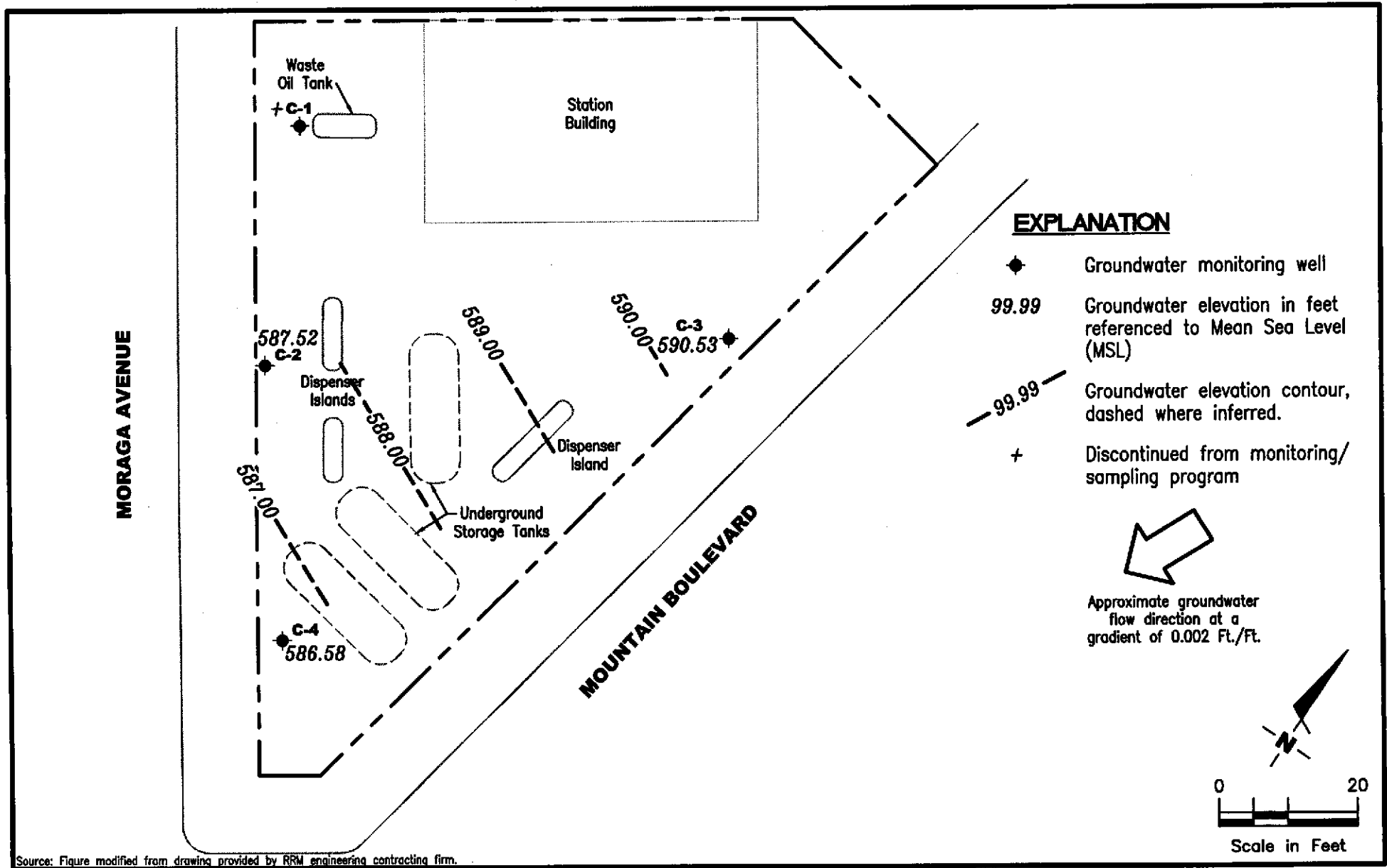


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Dissolved Oxygen Concentrations
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
 Chevron Service Station #9-1740
 6550 Moraga Avenue
 Oakland, California

FIGURE
1

PROJECT NUMBER 386507	REVIEWED BY	DATE August 29, 2000	REVISED DATE
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Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
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-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
C-1									
03/25/91	595.82	592.54	3.28	54	0.7	<0.5	<0.5	2.0	--
07/01/91	595.82	592.39	3.43	730	250	3.0	16	4.8	--
09/25/91	595.82	591.67	4.15	160	68	1.3	6.1	1.3	--
12/23/91	595.82	592.11	3.71	170	70	1.6	3.5	2.4	--
03/24/92	595.82	592.80	3.02	60	39	4.4	3.9	9.1	--
06/23/92	595.82	592.06	3.76	60	19	1.1	1.1	1.0	--
NOT MONITORED/SAMPLED									
C-2									
03/25/91	594.57	571.68	22.89	<50	1.0	<0.5	<0.5	2.0	--
07/01/91	594.57	587.20	7.37	660	190	2.5	28	22	--
09/25/91	594.57	587.59	6.98	110	200	1.9	21	1.7	--
12/23/91	594.57	589.56	5.01	<50	1.2	1.2	<0.5	1.8	--
03/24/92	594.57	577.30	17.27	100	5.9	7.9	4.0	14	--
06/23/92	594.57	590.75	3.82	190	45	4.5	9.5	10	--
09/30/92	594.57	580.56	14.01	240	99	2.3	11	6.1	--
12/16/92	594.57	580.05	14.52	280	160	6.2	7.4	5.0	--
03/30/93	594.57	583.49	11.08	110	21	<0.5	0.8	<1.5	--
06/10/93	594.57	583.08	11.49	180	53	2.6	8.0	5.8	--
09/02/93	594.57	580.49	14.08	51	18	0.8	4.4	<1.5	--
12/06/93	594.57	579.87	14.70	<50	20	1.3	2.7	<0.5	--
03/02/94	594.57	579.70	14.87	<50	9.9	1.6	<0.5	0.8	--
06/03/94	594.57	579.35	15.22	440	300	2.7	61	2.1	--
09/07/94	594.57	587.27	7.30	80	30	<0.5	1.6	<0.5	--
12/06/94	594.57	589.29	5.28	120	51	<0.5	4.7	<0.5	--
03/31/95	594.57	589.13	5.44	770	250	<5.0	74	<5.0	--
06/15/95	594.57	589.62	4.95	240	76	<1.0	26	<1.0	--
09/25/95	594.57	587.78	6.79	<50	1.2	<0.5	<0.5	<0.5	--
12/19/95	594.57	588.94	5.63	<250	23	<2.5	<2.5	<2.5	860

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
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-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
C-2 (cont)									
03/31/97	594.57	589.74	4.83	<500	48	<5.0	<5.0	<5.0	2,900
06/23/97	594.57	589.98	4.59	1200	240	<10	<10	<10	4,900
09/02/97	594.57	590.02	4.55	1400	340	<5.0	54	6.9	2,500
12/15/97	594.57	590.26	4.31	540	100	<2.5	8.7	<2.5	2,400
03/10/98	594.57	590.00	4.57	<500	<5.0	<5.0	<5.0	<5.0	3,000
06/16/98	594.57	589.99	4.58	120	6.6	<1.0	<1.0	<1.0	2,500
08/25/98	594.57	589.67	4.90	140	<0.5	<0.5	<0.5	<0.5	2,600
12/29/98	594.57	589.77	4.80	1830	17.7	<10.0	<10.0	14.9	4,600/4,890 ¹
03/09/99	594.57	590.21	4.36	120	16	<1.0	<1.0	<1.0	3,400
06/23/99 ²	594.57	589.92	4.65	--	--	--	--	--	--
09/28/99	594.57	585.99	8.58	<50	<0.5	<0.5	<0.5	<0.5	1,250
02/29/00	594.57	586.59	7.98	122	<0.5	<0.5	<0.5	<0.5	249
08/29/00	594.57	587.52	7.05	<50	<0.50	<0.50	<0.50	<0.50	390
C-3									
03/25/91	597.14	591.98	5.16	<50	<0.5	<0.5	<0.5	0.5	--
07/01/91	597.14	591.30	5.84	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/91	597.14	591.20	5.94	<50	<0.5	<0.5	<0.5	<0.5	--
12/23/91	597.14	591.20	5.94	<50	1.0	<0.5	<0.5	1.5	--
03/24/92	597.14	592.37	4.77	<50	<0.5	<0.5	<0.5	<0.5	--
06/23/92	597.14	591.47	5.67	<50	0.9	1.1	0.5	1.6	--
09/30/92	597.14	590.84	6.30	<50	<0.5	<0.5	<0.5	<0.5	--
12/16/92	597.14	591.57	5.57	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/93	597.14	592.08	5.06	<50	<0.5	<0.5	<0.5	<1.5	--
06/10/93	597.14	591.85	5.29	<50	0.6	1.9	0.6	3.5	--
09/02/93	597.14	591.22	5.92	<50	<0.5	<0.5	<0.5	<1.5	--
12/06/93	597.14	591.38	5.76	<50	<0.5	0.6	<0.5	<0.5	--
03/02/94	597.14	591.97	5.17	<50	<0.5	<0.5	<0.5	<0.5	--
06/03/94	597.14	591.74	5.40	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
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-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
C-3 (cont)									
09/07/94	597.14	591.14	6.00	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	597.14	591.95	5.19	<50	<0.5	0.8	<0.5	<0.5	--
03/31/95	597.14	592.04	5.10	<50	<0.5	<0.5	<0.5	<0.5	--
06/15/95	597.14	591.78	5.36	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/95	597.14	591.04	6.10	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	597.14	591.46	5.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	597.14	590.65	6.49	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/97	597.14	590.63	6.51	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/97	597.14	591.07	6.07	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/15/97	597.14	590.86	6.28	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/10/98	597.14	590.89	6.25	<50	<0.5	<0.5	<0.5	<0.5	4
06/16/98	597.14	590.80	6.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/25/98	597.14	590.61	6.53	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/29/98	597.14	590.59	6.55	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/09/99	597.14	591.20	5.94	<50	<0.5	<0.5	<0.5	<0.5	3
09/28/99	597.14	590.26	6.88	SAMPLED ANNUALLY			--	--	--
02/29/00	597.14	591.56	5.58	<50	<0.5	<0.5	<0.5	<0.5	10
08/29/00	597.14	590.53	6.61	--	--	--	--	--	--
C-4									
03/25/91	593.10	588.65	4.45	2700	240	16	<0.5	350	--
07/01/91	593.10	587.77	5.33	7900	1500	230	340	350	--
09/25/91	593.10	587.60	5.50	3200	850	160	150	220	--
12/23/91	593.10	588.18	4.92	4100	390	52	42	340	--
03/24/92	593.10	589.06	4.19	FREE PRODUCT (0.19')			--	--	--
06/23/92	593.10	588.43	4.91	FREE PRODUCT (0.30')			--	--	--
09/30/92	593.10	584.44	8.66	450	97	14	12	29	--
12/16/92	593.10	583.30	9.80	590	130	18	5.6	29	--
03/30/93	593.10	583.20	10.00	FREE PRODUCT (0.12')			--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
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-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
C-4 (cont)									
06/10/93	593.10	583.46	9.64	1300	290	36	17	73	--
09/02/93	593.10	583.02	10.08	630	97	12	6.6	21	--
12/06/93	593.10	582.85	10.25	1900	600	68	27	130	--
03/02/94	593.10	584.36	8.74	2600	1200	110	43	180	--
06/03/94	593.10	583.27	9.83	780	180	13	8.5	26	--
09/07/94	593.10	582.80	10.30	<50	14	<0.5	0.7	<0.5	--
12/06/94	593.10	583.90	9.20	980	270	21	12	38	--
03/31/95	593.10	582.86	10.24	1500	450	25	11	49	--
06/15/95	593.10	582.78	10.32	960	250	15	4.5	37	--
09/25/95	593.10	584.72	8.38	<500	18	<5.0	<5.0	<5.0	--
12/19/95	593.10	582.94	10.16	<500	32	<5.0	<5.0	<5.0	2,400
03/31/97	593.10	588.42	4.68	3400	960	51	64	140	2,100
06/23/97	593.10	588.36	4.74	1600	580	19	8.2	27	2,300
09/02/97	593.10	588.33	4.77	6900	1400	59	130	410	3,100
12/15/97	593.10	588.60	4.50	3300	1200	37	74	130	3,700
03/10/98	593.10	588.92	4.18	1100	250	19	13	62	4,000
06/16/98	593.10	586.53	6.57	1200	350	<10	12	39	4,500
08/25/98	593.10	586.30	6.80	290	24	0.72	0.87	1.9	3,600
12/29/98	593.10	586.80	6.30	3190	957	<25	<25	<25	8,100/8,500 ¹
03/09/99	593.10	585.87	7.23	2200	850	15	35	56	5,900
06/23/99 ²	593.10	585.60	7.50	--	--	--	--	--	--
09/28/99	593.10	586.15	6.95	1390	7.85	<5.0	<5.0	<5.0	4,190
02/29/00	593.10	586.09	7.01	<50	1.35	<0.5	<0.5	<0.5	310
08/29/00	593.10	586.58	6.52	150 ³	60	<0.50	0.79	0.78	570

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
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-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylenes	MTBE
TRIP BLANK									
03/25/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/23/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/24/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/23/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/30/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/16/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
06/10/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/02/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/06/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/02/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/03/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/07/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/15/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/15/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/10/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/25/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/29/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1740
 6550 Moraga Avenue
 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- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylenes	MTBE
TRIP BLANK (cont)									
03/09/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/28/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/29/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1740
6550 Moraga Avenue
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 29, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary butyl ether

-- = Not Measured/Not Analyzed

¹ Confirmation run.

² ORC Socks installed.

³ Laboratory report indicates unidentified hydrocarbons C6-C12.

Table 2
Dissolved Oxygen Concentrations
Chevron Service Station #9-1740
6550 Moraga Avenue
Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
C-2	08/29/00	1.97	--
C-4	08/29/00	2.11	--

EXPLANATIONS:

Dissolved oxygen concentrations prior to August 29, 2000, were provided by Blaine Tech Services, Inc.

mg/L = milligrams per liter

-- = Not Measured

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 9-1740
 Address: 6550 MORAGA AVE.
 City: OAKLAND, CA.

Job#: 386507
 Date: 8-29-00
 Sampler: FRANK T.

Well ID: C-2
 Well Diameter: 2" in.
 Total Depth: 26.75 ft.
 Depth to Water: 7.05 ft.

Well Condition: OK

Hydrocarbon Thickness:	<u>0</u> in.	Amount Bailed (product/water):	<u>0</u> (gal.)
Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

19.70 X VF .17 = 3.34 X 3 (case volume) = Estimated Purge Volume: 10.04 (gal.)

Purge Equipment: Disposable Bailer
 Bailer (Stack)
 Suction
 Grundfos
 Other: _____

Sampling Equipment: (Disposable Bailer)
 Bailer
 Pressure Bailer
 Grab Sample
 Other: _____

Starting Time: 2:34
 Sampling Time: 2:50
 Purging Flow Rate: 1.0 - 1.5 gpm.
 Did well de-water? NO

Weather Conditions: CLOUDY / RAINING
 Water Color: CLEAR Odor: NO
 Sediment Description: _____
 If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm @ 100)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>2:36</u>	<u>3.5</u>	<u>7.66</u>	<u>690</u>	<u>66.5</u>	<u>1.97</u>		
<u>2:38</u>	<u>7.0</u>	<u>7.46</u>	<u>631</u>	<u>65.9</u>			
<u>2:40</u>	<u>10.0</u>	<u>7.29</u>	<u>649</u>	<u>65.6</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2</u>	<u>3 X VDA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPHG/BTEX/MTDE</u>

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Chevron
 Facility# 9-1740
 Address: 6550 Moraga Ave.
 City: Oakland, CA

Job#: 386507
 Date: 8-29-00
 Sampler: FRANKT.

Well ID C-3

Well Condition: OK

Well Diameter 2" in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 18.60 ft.

Volume	2" = 0.17	3" = 0.98	4" = 0.66
Factor (VF)	6" = 1.50	12" = 5.80	

Depth to Water 6.61 ft.

N/A X VF = X 3 (case volume) = Estimated Purge Volume: (gal.)

Purge Equipment: N/A
 Disposable Bailer
 Bailer
 Stack
 Suction
 Grundfos
 Other:

Sampling Equipment: N/A
 Disposable Bailer
 Bailer
 Pressure Bailer
 Grab Sample
 Other:

Starting Time:
 Sampling Time:
 Purging Flow Rate: gpm.
 Did well de-water?

Weather Conditions: Rainy
 Water Color: Odor:
 Sediment Description:
 If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity μ hos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-3</u>	<u>VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(G)/tex/mtbe</u>

COMMENTS: MONITORED ONLY.

**WELL MONITORING/SAMPLING
FIELD DATA SHEET**

Client/ CHEVRON
 Facility # 9-1740
 Address: 6550 MORAGA AVE.
 City: OAKLAND, CA.

Job#: 386507
 Date: 8-29-00
 Sampler: FRANK T.

Well ID C-4
 Well Diameter 2¹¹ in.
 Total Depth 24.65 ft.
 Depth to Water 6.52 ft.

Well Condition: OK
 Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

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

18.13 X VF .17 = 3.08 X 3 (case volume) = Estimated Purge Volume: 9.24 (gal.)

Purge Equipment: Disposable Bailer Bailer (Stack) Suction Grundfos Other: _____

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other: _____

Starting Time: 3:22
 Sampling Time: 3:38
 Purging Flow Rate: 1.0-1.5 gpm.
 Did well de-water? NO

Weather Conditions: CLOUDY / RAINING
 Water Color: CLEAR Odor: YES
 Sediment Description: _____
 If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu\text{mhos/cm} \times 1000$	Temperature $^{\circ}\text{F}$	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:24</u>	<u>3.0</u>	<u>7.21</u>	<u>537</u>	<u>66.3</u>	<u>2.11</u>		
<u>3:26</u>	<u>6.0</u>	<u>7.17</u>	<u>555</u>	<u>65.5</u>			
<u>3:28</u>	<u>9.0</u>	<u>7.23</u>	<u>534</u>	<u>65.9</u>			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>3 X VOA VIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH6/BTEX/MTOE</u>

COMMENTS: _____

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

Chevron Facility Number #9-1740
 Facility Address 6550 MORAGA AVE., OAKLAND, CA
 Consultant Project Number 386507
 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 11008621
 Laboratory Service Order _____
 Laboratory Service Code _____
 Samples Collected by (Name) FRANK TERRINO
 Signature [Signature]

Sample Number	Number of Containers	Matrix 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 <input type="checkbox"/> IDAHO													Remarks	
					BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Dield (8015)	Organics (8280)	Petroleum Hydrocarbons (8010)	Petroleum Organics (8280)	Extractable Organics (8270)	Oil and Grease (8030)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Cu	BTEX (8020)	BTEX/MTBE/Naphth. (8020)	TPH - HCD	TPH-D Extended		Lab Sample No.
TB-LB	1	W	HCL	8-29-00	X		OIA												
C-2	3			14:50	Y		OZA-C												
C-4	3	∨	∨	15:38	Y		O3 ∨												

Relinquished By (Signature) <u>[Signature]</u>	Organization G-R INC.	Date/Time 8-29-00 17:12	Received By (Signature) _____	Organization _____	Date/Time _____	Lead Y/N _____
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received By (Signature) _____	Organization _____	Date/Time _____	Lead Y/N _____
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>WC</u>	Organization _____	Date/Time 8/29/00	Lead Y/N _____

Turn Around Time (Circle Choice)

24 Hrs.
 48 Hrs.
 5 Days
 10 Days
 As Contracted



Sequoia Analytical

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

13 September, 2000

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

RE: Chevron
Sequoia Report: W008621

Enclosed are the results of analyses for samples received by the laboratory on 29-Aug-00 17:12. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





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

Project: Chevron
Project Number: Chevron # 9-1740
Project Manager: Deanna L. Harding

Reported:
13-Sep-00 07:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W008621-01	Water	29-Aug-00 00:00	29-Aug-00 17:12
C-2	W008621-02	Water	29-Aug-00 14:50	29-Aug-00 17:12
C-4	W008621-03	Water	29-Aug-00 15:38	29-Aug-00 17:12





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

Project: Chevron
Project Number: Chevron # 9-1740
Project Manager: Deanna L. Harding

Reported:
13-Sep-00 07:48

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
TB-LB (W008621-01) Water Sampled: 29-Aug-00 00:00 Received: 29-Aug-00 17:12									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11002	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97.3 %	70-130		"	"	"	"	
C-2 (W008621-02) Water Sampled: 29-Aug-00 14:50 Received: 29-Aug-00 17:12									
Purgeable Hydrocarbons	ND	50	ug/l	1	0I11002	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	390	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	70-130		"	"	"	"	
C-4 (W008621-03) Water Sampled: 29-Aug-00 15:38 Received: 29-Aug-00 17:12 P-03									
Purgeable Hydrocarbons	150	50	ug/l	1	0I11002	11-Sep-00	11-Sep-00	EPA 8015M/8020	
Benzene	60	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.79	0.50	"	"	"	"	"	"	
Xylenes (total)	0.78	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	570	2.5	"	"	"	"	"	"	OCR-1
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130		"	"	"	"	





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

Project: Chevron
Project Number: Chevron # 9-1740
Project Manager: Deanna L. Harding

Reported:
13-Sep-00 07:48

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE 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
Batch 0I11002 - EPA 5030B [P/T]										
Blank (0I11002-BLK1) Prepared & Analyzed: 11-Sep-00										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.7		"	30.0		99.0	70-130			
LCS (0I11002-BS1) Prepared & Analyzed: 11-Sep-00										
Benzene	17.5	0.50	ug/l	20.0		87.5	70-130			
Toluene	18.4	0.50	"	20.0		92.0	70-130			
Ethylbenzene	19.2	0.50	"	20.0		96.0	70-130			
Xylenes (total)	58.3	0.50	"	60.0		97.2	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	26.8		"	30.0		89.3	70-130			
Matrix Spike (0I11002-MS1) Source: W008620-02 Prepared & Analyzed: 11-Sep-00										
Benzene	18.5	0.50	ug/l	20.0	ND	92.5	70-130			
Toluene	19.4	0.50	"	20.0	ND	97.0	70-130			
Ethylbenzene	19.5	0.50	"	20.0	ND	97.5	70-130			
Xylenes (total)	56.9	0.50	"	60.0	ND	94.8	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.2		"	30.0		94.0	70-130			
Matrix Spike Dup (0I11002-MSD1) Source: W008620-02 Prepared & Analyzed: 11-Sep-00										
Benzene	17.8	0.50	ug/l	20.0	ND	89.0	70-130	3.86	20	
Toluene	18.9	0.50	"	20.0	ND	94.5	70-130	2.61	20	
Ethylbenzene	20.0	0.50	"	20.0	ND	100	70-130	2.53	20	
Xylenes (total)	59.9	0.50	"	60.0	ND	99.8	70-130	5.14	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.3		"	30.0		94.3	70-130			





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

Project: Chevron
Project Number: Chevron # 9-1740
Project Manager: Deanna L. Harding

Reported:
13-Sep-00 07:48

Notes and Definitions

- OCR-1 The result as reported exceeds the linear range of calibration.
- P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

