

Environmental Management
Company
6001 Bollinger Canyon Rd, L4050
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

Karen Streich
Project Manager

✓
Re 2435 Be

JUNE 1, 2004

ChevronTexaco

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Alameda County
JUN 6 4 2004
Environmental Health

Re: Chevron Service Station # 9-3600

Address: 2200 Telegraph Ave., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated May 11, 2004.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Karen Streich
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

May 11, 2004
G-R #386895

RECEIVED
JUN 04 2004
COMMUNICATIONS

TO: Ms. Kristene Wilder
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

CC: Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
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
#9-3600
2200 Telegraph Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 3, 2004	Groundwater Monitoring and Sampling Report Second Quarter - Event of April 5, 2004

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **May 28, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Yichin Hwang (Property Owner) 2200 Telegraph Avenue, Oakland, CA 94612

Enclosures

trans/9-3600-ks



GETTLER-RYAN INC.

May 3, 2004
G-R Job #386895

Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012
San Ramon, CA 94583

RE: Second Quarter Event of April 5, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Dear Ms. Streich:

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

Hagop Kevork
P.E. No. C55734



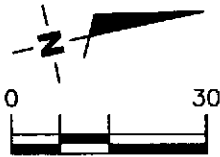
Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

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



Approximate groundwater flow direction at a gradient of 0.004 Ft./Ft.

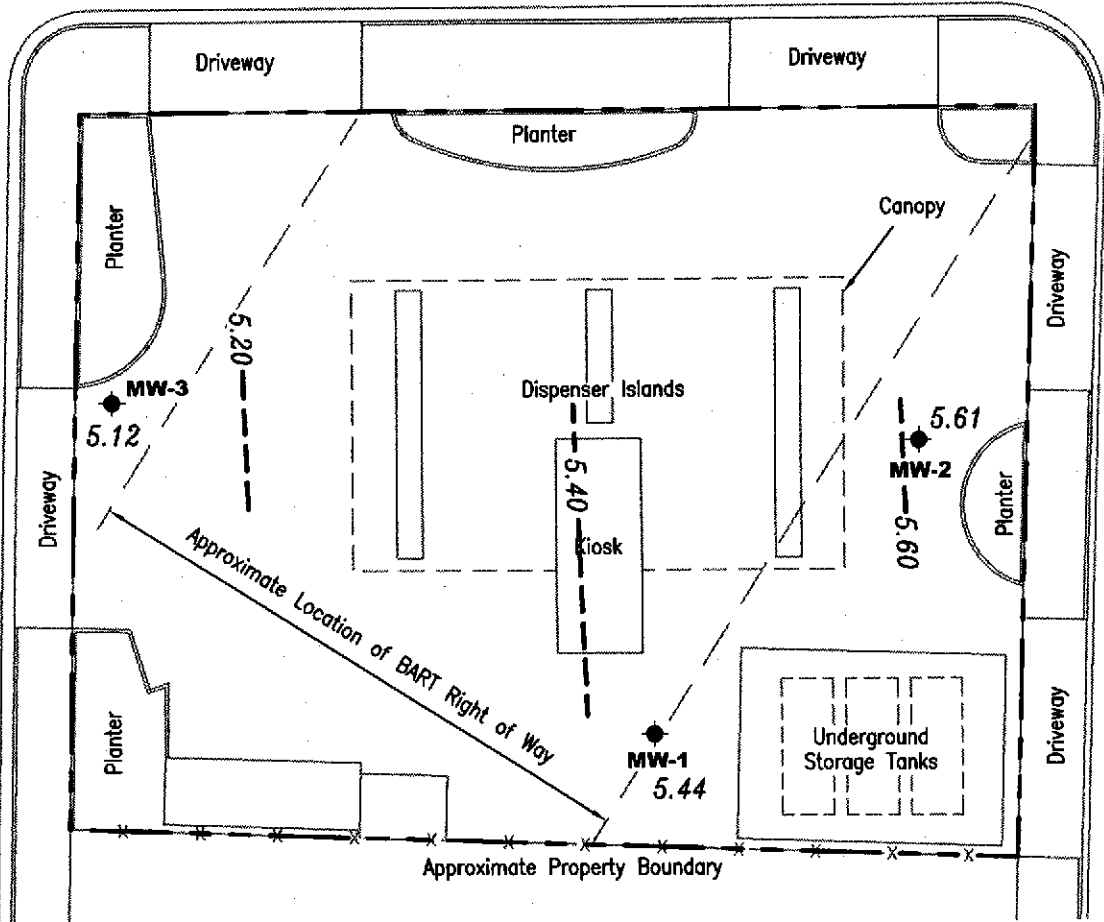


Scale in Feet

TELEGRAPH AVENUE

22ND STREET

WEST GRAND AVENUE



Source: Figure modified from drawing provided by Morrow Surveying April 17, 2002.

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

POTENTIOMETRIC MAP
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

FIGURE
1

PROJECT NUMBER 386895	REVIEWED BY	DATE April 5, 2004	REVISED DATE
---------------------------------	-------------	------------------------------	--------------

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
04/05/02 ¹	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370 ²
07/01/02	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	370/420 ²
10/08/02	17.07	12.20	4.87	1,400	9.2	<10	75	20	440/360 ²
01/11/03	17.07	11.13	5.94	1,600	7.1	0.51	53	13	280/270 ²
04/01/03	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210 ²
07/01/03 ³	17.07	11.95	5.12	2,000	4	<0.5	31	12	170
10/02/03 ³	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800
01/05/04 ³	17.07	11.05	6.02	1,700	3	<0.5	27	4	140
04/05/04³	17.07	11.63	5.44	1,500	2	<0.5	21	0.6	120
MW-2									
04/05/02 ¹	16.82	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
07/01/02	16.82	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2 ²
10/08/02	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
01/11/03	16.82	10.94	5.88	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
04/01/03	16.82	11.03	5.79	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²
07/01/03 ³	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03 ³	16.82	11.63	5.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	16.82	10.82	6.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04³	16.82	11.21	5.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3									
04/05/02 ¹	16.52	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2 ²
07/01/02	16.52	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2 ²
10/08/02	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
01/11/03	16.52	11.09	5.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
04/01/03	16.52	11.25	5.27	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ²
07/01/03 ³	16.52	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-3600
 2200 Telegraph Avenue
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)									
10/02/03 ³	16.52	11.74	4.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	16.52	11.06	5.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04 ³	16.52	11.40	5.12	<50	<0.5	<0.5	<0.5	<0.5	0.6
TRIP BLANK									
QA									
04/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/08/02	--	--	--	<100	<2.0	<2.0	<2.0	<5.0	<10
01/11/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
07/01/03 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04 ³	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).

¹ Well development performed.

² MTBE by EPA Method 8260.

³ BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	04/05/02	--	200	370	<2	<2	10
	07/01/02	--	190	420	<2	<2	9
	10/08/02	--	110	360	<2	<2	8
	01/11/03	--	<100	270	<2	<2	7
	04/01/03	--	22	210	<0.5	<0.5	5
	07/01/03	<50	26	170	<0.5	<0.5	5
	10/02/03	<500	2,600	9,800	<5	<5	6
	01/05/04	<50	21	140	<0.5	<0.5	3
	04/05/04	<50	17	120	<0.5	<0.5	3
MW-2	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	--	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	--	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	2	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	0.6	<0.5	<0.5	<0.5

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

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
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable 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 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 ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600
 Site Address: 2200 Telegraph Avenue
 City: Oakland, CA

Job Number: 386895
 Event Date: 4-5-04 (inclusive)
 Sampler: Joc

Well ID: MW-1 Date Monitored: 4-5-04 Well Condition: 0.1c

Well Diameter: 2 in.
 Total Depth: 20.28 ft.
 Depth to Water: 11.63 ft.
8.65 x VF 0.17 = 1.47 x3 (case volume) = Estimated Purge Volume: 4.5 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailor
 Stainless Steel Bailor _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailor
 Pressure Bailor _____
 Discrete Bailor _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0820 Weather Conditions: cloudy
 Sample Time/Date: 0845 4-5-04 Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ^{x1000}	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0826</u>	<u>1.5</u>	<u>6.50</u>	<u>0.77</u>	<u>63.2</u>	_____	_____
<u>0830</u>	<u>3</u>	<u>6.49</u>	<u>0.65</u>	<u>63.4</u>	_____	_____
<u>0834</u>	<u>4.5</u>	<u>6.52</u>	<u>0.59</u>	<u>63.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600 Job Number: 386895
 Site Address: 2200 Telegraph Avenue Event Date: 4-5-04 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-2 Date Monitored: 4-5-04 Well Condition: o.k.
 Well Diameter: 2 in.
 Total Depth: 20.25 ft.
 Depth to Water: 11.21 ft.
9.04 xVF 0.17 = 1.54 x3 (case volume) = Estimated Purge Volume: 5 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0740 Weather Conditions: Foggy
 Sample Time/Date: 0808 / 4-5-04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ^{R/1500}	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0748</u>	<u>1.5</u>	<u>7.96</u>	<u>2.72</u>	<u>64.1</u>	_____	_____
<u>0753</u>	<u>3</u>	<u>7.58</u>	<u>2.61</u>	<u>63.7</u>	_____	_____
<u>0759</u>	<u>5</u>	<u>7.64</u>	<u>2.66</u>	<u>64.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>6 x vovial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3600
 Site Address: 2200 Telegraph Avenue
 City: Oakland, CA

Job Number: 386895
 Event Date: 4-5-04 (inclusive)
 Sampler: Joc

Well ID: MW-3 Date Monitored: 4-5-04 Well Condition: o.k.
 Well Diameter: 2 in.
 Total Depth: 20.20 ft.
 Depth to Water: 11.40 ft.
8.80 x VF 0.17 = 1.50 x3 (case volume) = Estimated Purge Volume: 4.5 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0705 Weather Conditions: Foggy
 Sample Time/Date: 0733 4.5.04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ^{x 1000}	Temperature (C/E)	D.O. (mg/L)	ORP (mV)
<u>0714</u>	<u>1.5</u>	<u>7.49</u>	<u>2.11</u>	<u>64.0</u>	_____	_____
<u>0717</u>	<u>3</u>	<u>7.52</u>	<u>1.97</u>	<u>64.2</u>	_____	_____
<u>0722</u>	<u>4.5</u>	<u>7.47</u>	<u>2.04</u>	<u>64.1</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 4249992-4249995 Group SER#: 891199

040604-07

Facility #: SS#9-3600 G-R#386895 Global ID#FT0600161613
Site Address: 2200 TELEGRAPH AVENUE, OAKLAND, CA
Chevron PM: KS **Lead Consultant:** CAMBRIAKW
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 **Fax #:** 925-551-7899
Sampler: JOE ASEMIAN
Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested												
		Preservation Codes					Preservative Codes							
Soil	Water	Oil	Air	Total Number of Containers	H	N	H	H						
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES					BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021									
					TPH 8015 MOD GRO									
					TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup									
					8260 full scan									
					5 Oxygenates (8260)									
					Lead 7420 <input type="checkbox"/> 7421									
					Ethanol (8260)									

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other
 J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run _____ oxy s on highest hit
 Run _____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates (8260)	Lead 7420	7421	Ethanol (8260)
QA	-	-	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
MW-1	4-5-04	0845	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
MW-2	↓	0808	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
MW-3	↓	0733	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 STD. TAT: 24 hour 72 hour 48 hour
 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>4-5-04</u>	Time: <u>1330</u>	Received by: <u>[Signature]</u>	Date: <u>4/6/04</u>	Time: <u>1059</u>
Relinquished by: <u>[Signature]</u>	Date: <u>4/6/04</u>	Time: <u>1230</u>	Received by: <u>[Signature]</u>	Date: <u>4/6/04</u>	Time: <u>1230</u>
Relinquished by: <u>[Signature]</u>	Date: <u>4/6/04</u>	Time: <u>1530</u>	Received by: <u>Airborne DHL</u>	Date: <u>4/6/04</u>	Time: _____
Relinquished by Commercial Carrier: <u>Airborne</u>	UPS FedEx Other	Temperature Upon Receipt: <u>31.0 °C</u>	Received by: <u>[Signature]</u>	Date: <u>4/7/04</u>	Time: <u>0855</u>
			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425**SAMPLE GROUP**

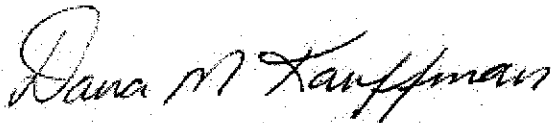
The sample group for this submittal is 891199. Samples arrived at the laboratory on Wednesday, April 07, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-040405	NA	Water	4249992
MW-1-W-040405	Grab	Water	4249993
MW-2-W-040405	Grab	Water	4249994
MW-3-W-040405	Grab	Water	4249995

1 COPY TO Cambria C/O Gettler- Ryan
ELECTRONIC Gettler-Ryan
COPY TOAttn: Deanna L. Harding
Attn: Cheryl Hansen

Questions? Contact your Client Services Representative
Teresa L. Cunningham at (717) 656-2300.

Respectfully Submitted,



Dana M. Kauffman
Group Leader

Lancaster Laboratories Sample No. WW 4249992

 QA-T-040405 NA Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 QA
 Collected: 04/05/2004

Account Number: 10904

 Submitted: 04/07/2004 08:55
 Reported: 04/20/2004 at 14:43
 Discard: 05/21/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAK-Q

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.		50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06054	BTEX+MTBE by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/10/2004 00:47	Victoria M Martell	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	04/09/2004 19:06	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/10/2004 00:47	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/09/2004 19:06	Carrie J McCullough	n.a.

Lancaster Laboratories Sample No. **WW 4249993**

 MW-1-W-040405 **Grab Water**
 Facility# 93600 Job# 386895 **GRD**
 2200 Telegraph Av-Oakland T0600161613 **MW-1**
 Collected:04/05/2004 08:45 by JA

Account Number: 10904

 Submitted: 04/07/2004 08:55
 Reported: 04/20/2004 at 14:43
 Discard: 05/21/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAKW1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	1,500.	Detection Limit 50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	120.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	3.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	17.	5.	ug/l	1
05401	Benzene	71-43-2	2.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	21.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.6	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/10/2004	01:20	Victoria M Martell	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	04/12/2004	12:22	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/10/2004	01:20	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/12/2004	12:22	Carrie J McCullough	n.a.

Lancaster Laboratories Sample No. **WW 4249994**

 MW-2-W-040405 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 MW-2
 Collected: 04/05/2004 08:08 by JA

Account Number: 10904

 Submitted: 04/07/2004 08:55
 Reported: 04/20/2004 at 14:43
 Discard: 05/21/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAKW2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.	50.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06059	BTEX+5 Oxygenates+ETOH						
01587	Ethanol	64-17-5	N.D.	50.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/10/2004 01:52	Victoria M Martell	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	04/12/2004 12:48	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/10/2004 01:52	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/12/2004 12:48	Carrie J McCullough	n.a.

Lancaster Laboratories Sample No. **WW 4249995**

 MW-3-W-040405 Grab Water
 Facility# 93600 Job# 386895 GRD
 2200 Telegraph Av-Oakland T0600161613 MW-3
 Collected: 04/05/2004 07:33 by JA

Account Number: 10904

 Submitted: 04/07/2004 08:55
 Reported: 04/20/2004 at 14:43
 Discard: 05/21/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

OAKW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/10/2004 02:25	Victoria M Martell	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	04/12/2004 13:15	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/10/2004 02:25	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/12/2004 13:15	Carrie J McCullough	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 04/20/04 at 02:43 PM

Group Number: 891199

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 04100A07B TPH-GRO - Waters	N.D.	50.	ug/l	90	90	70-130	1	30
Batch number: P041002AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	100		77-127		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		84-120		
Batch number: P041032AA Ethanol	N.D.	50.	ug/l	102		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	93		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	101		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	100		57-141		
Benzene	N.D.	0.5	ug/l	98		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		84-120		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 04100A07B TPH-GRO - Waters	96		63-154						
Batch number: P041002AA Methyl Tertiary Butyl Ether	102	108	69-134	5	30				
Benzene	107	113	83-128	6	30				
Toluene	106	110	83-127	4	30				
Ethylbenzene	106	112	82-129	6	30				
Xylene (Total)	107	112	82-130	5	30				
Batch number: P041032AA Ethanol	117	114	41-155	3	30				
Methyl Tertiary Butyl Ether	94	106	69-134	3	30				
di-Isopropyl ether	99	102	75-130	3	30				
Ethyl t-butyl ether	102	104	78-119	2	30				

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 04/20/04 at 02:43 PM

Group Number: 891199

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Amyl methyl ether	109	114	77-117	4	30				
t-Butyl alcohol	112	113	51-147	2	30				
Benzene	107	112	83-128	4	30				
Toluene	104	107	83-127	3	30				
Ethylbenzene	106	108	82-129	2	30				
Xylene (Total)	106	109	82-130	3	30				

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 04100A07B
 Trifluorotoluene-F

4249992	86
4249993	163*
4249994	88
4249995	86
Blank	87
LCS	107
LCS D	107
MS	109

Limits: 57-146

Analysis Name: BTEX+MTBE by 8260B

Batch number: P041002AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4249992	102	97	95	94
Blank	101	96	95	94
LCS	101	97	95	95
MS	101	97	95	96
MSD	103	97	95	95

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+ETOH

Batch number: P041032AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4249993	102	101	96	101
4249994	102	98	94	96
4249995	102	99	94	94
Blank	103	96	93	94
LCS	102	96	92	94
MS	102	98	94	96
MSD	101	96	95	95

Limits: 81-120

82-112

85-112

83-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 04/20/04 at 02:43 PM

Group Number: 891199

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.