

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

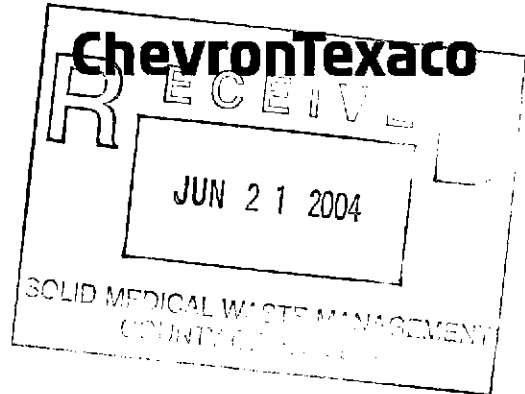
Karen Streich
Project Manager

120 466 ✓

~~DTA~~

June 17, 2004

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



Re: Chevron Service Station # 209339

Address: 5940 College Ave., Oakland, CA

I have reviewed the attached routine groundwater monitoring report dated May 26, 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,

A handwritten signature in cursive script that reads "Karen Streich".

Karen Streich
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

May 26, 2004

G-R #386521

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 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: **Former Chevron Service Station
#209339
5940 College Avenue
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 25, 2004	Groundwater Monitoring and Sampling Report First Semi Annual - Event of April 23, 2004

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **June 16, 2004**, at which time the final report will be distributed to the following:

cc: Ms. Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Donald Sweet, San Francisco Property Management Co., 1375 Sutter St., Suite 308, San Francisco, CA 94109

Enclosures

trans/209339-KS

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



GETTLER - RYAN INC.

May 25, 2004
G-R Job #386521

Ms. Karen Streich
ChevronTexaco Company
P.O. Box 6012, Room K2256
San Ramon, CA 94583

RE: First Semi Annual Event of April 23, 2004
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #209339
5940 College 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). A joint monitoring event was conducted with Sheaff's Garage located at 5930 College Avenue, Oakland, California, however, data was not provided.

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 Groundwater Elevation 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
- For -

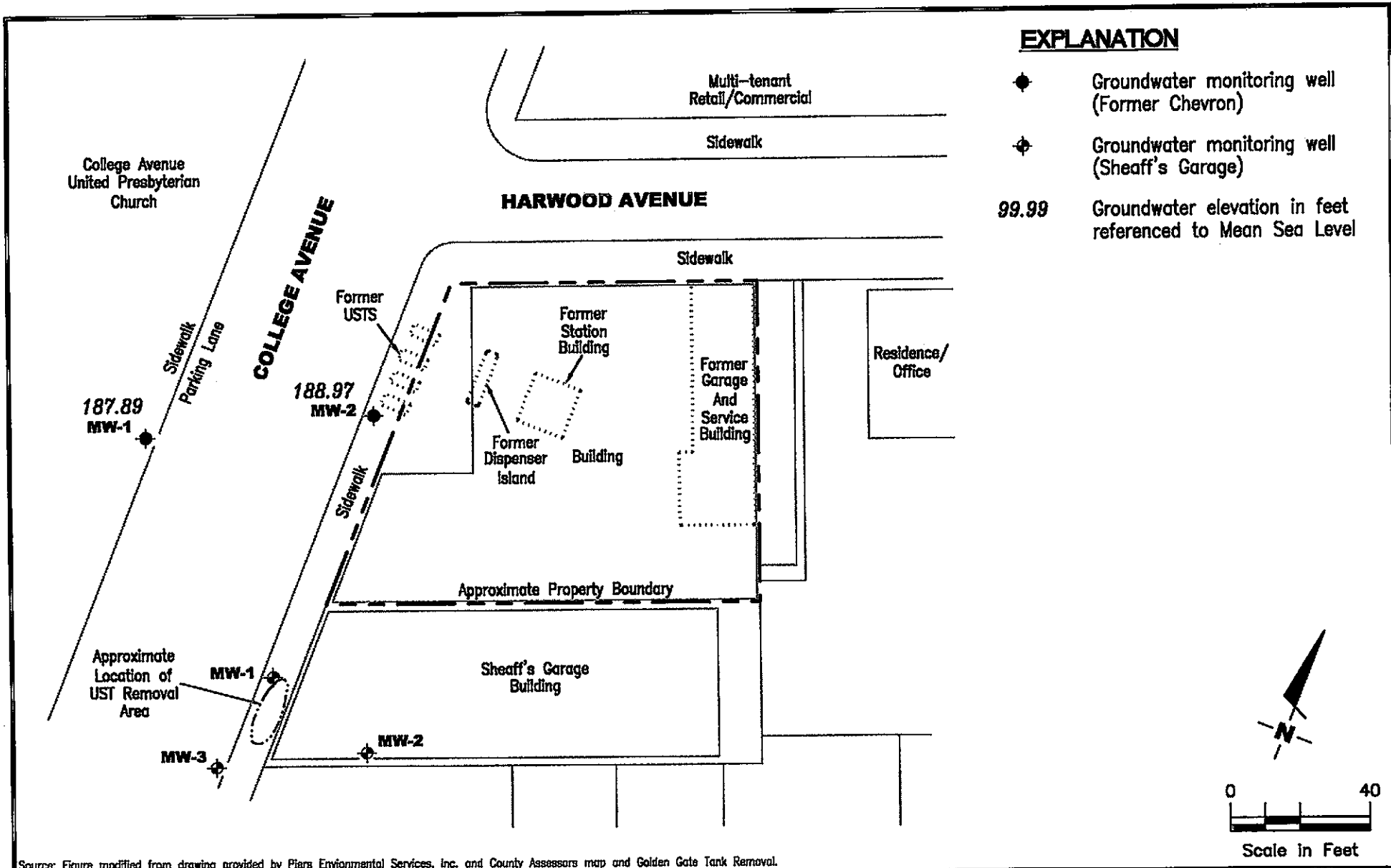
Deanna L. Harding
Project Coordinator

Hagop Kevork

Hagop Kevork
P.E. No. C55734



- Figure 1: Groundwater Elevation Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results - Oxygenate Compounds
- Table 3: Groundwater Analytical Results
- Table 4: Field Measurements
- Table 5: Joint Groundwater Monitoring Data and Analytical Results
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Sources: Figure modified from drawing provided by Piers Environmental Services, Inc. and County Assessors map and Golden Gate Tank Removal.



GETTLER - RYAN INC.

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

GROUNDWATER ELEVATION MAP

Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

FIGURE

1

PROJECT NUMBER
386521

REVIEWED BY

DATE
April 23, 2004

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
01/03/01	196.91	12.75	184.16	930 ¹	2.9	6.9	2.7	7.6	14/<2.0 ³
04/25/01	196.91	9.23	187.68	210 ⁴	2.0	1.5	2.0	3.3	5.3/<2.0 ³
07/09/01	196.91	11.86	185.05	290 ⁵	1.8	2.0	2.5	0.96	<2.5
10/08/01	196.91	13.49	183.42	200	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	196.91	7.33	189.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/08/02	196.91	7.45	189.46	670	<0.50	<2.0	<1.0	5.6	<2.5
10/15/02	196.91	13.68	183.23	260	0.62	0.82	<0.50	<1.5	--
04/15/03	196.91	6.82	190.09	1,700	1.3	<5.0	<2.0	<5.0	--
10/31/03	196.91	13.72	183.19	150	<2.0	0.7	<2.0	<5.0	--
04/23/04	196.91	9.02	187.89	<50	<0.5	<0.5	<0.5	<1.5	--
MW-2									
01/03/01	197.35	12.48	184.87	2,100 ²	110	11	63	25	83/2.2 ³
04/25/01	197.35	8.90	188.45	1,700 ⁴	150	12	30	15	150/<2.0 ³
07/09/01	197.35	11.44	185.91	2,500 ⁵	200	21	55	26	<50
10/08/01	197.35	13.37	183.98	4,200	87	2.8	29	9.8	<2.5
01/13/02	197.35	6.55	190.80	410	20	2.9	<2.5	4.4	27/<2.0 ³
04/08/02	197.35	8.37	188.98	4,000	70	1.7	17	17	<2.5
10/15/02	197.35	13.00	184.35	3,100	41	2.2	16	<6.0	--
04/15/03	197.35	7.58	189.77	2,400	37	<2.5	12	<7.5	--
10/31/03	197.35	13.02	184.33	2,300	12	3.4	4.8	<7.5	--
04/23/04	197.35	8.38	188.97	960	8.9	1.0	2.4	<1.5	--
TRIP BLANK									
TB-LB									
01/03/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/25/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/09/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA									
10/08/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/08/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	--
04/15/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/31/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/23/04	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

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 December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elev. = 179.075 feet, msl).

¹ Laboratory report indicates unidentified hydrocarbons C6-C12.

² Laboratory report indicates gasoline C6-C12.

³ MTBE by EPA Method 8260.

⁴ Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

⁵ Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Former Chevron Service Station #209339
 5940 College Avenue
 Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)
MW-1	01/03/01	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	<20	<2.0	<2.0	<2.0	<2.0	--
MW-2	01/03/01	<500	<50	2.2	<2.0	<2.0	<2.0	<2.0
	04/25/01	--	<20	<2.0	<2.0	<2.0	<2.0	--
	01/13/02	--	<20	<2.0	<2.0	<2.0	<2.0	--

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 (ppb) = Parts per billion
 -- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3
Groundwater Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID	DATE	FERROUS IRON (ppm)	TOTAL ALKALINITY (ppm)	SULFATE AS SO ₄ (ppm)
MW-1	04/25/01	0.15	380	11
	07/09/01	<0.050	410	6.8
	10/08/01	-- ¹	414	5.4
	01/13/02	<0.10 ²	390	10
MW-2	04/25/01	0.093	680	21
	07/09/01	0.44	600	9.3
	10/08/01	-- ¹	683	3.8
	01/13/02	<0.10 ²	630	7.0

EXPLANATIONS:

(ppm) = Parts per million

-- = Not Analyzed

¹ Analysis was not performed by the Laboratory as requested on the Chain of Custody.

² Due to sample transfer by the lab from laboratory to another, the sample was received beyond the EPA recommended holding time.

ANALYTICAL METHODS:

EPA Method SM 3500 Fe for Ferrous Iron

EPA Method 310.1 for Total Alkalinity

EPA Method 300.0 for Sulfate as SO₄

Table 4
Field Measurements
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID	DATE	D.O. Before Purging (mg/L)	ORP Before Purging (mV)
MW-1	07/09/01	1.25	111
	10/08/01	1.20	64
	01/13/02 ¹	--	--
MW-2	07/09/01	1.89	16
	10/08/01	1.04	58
	01/13/02 ¹	--	--

EXPLANATIONS:

D.O. = Dissolved Oxygen Concentration

(mg/L) = Milligrams per liter

ORP = Oxygen Reduction Potential

(mV) = Millivolt

-- = Not Measured

¹ D.O. and ORP meter erratic; measurements not taken.

Table 5
Joint Groundwater Monitoring Data and Analytical Results
 Sheaff's Garage
 5930 College Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
04/25/01 ¹	195.90	7.39	188.51	--	--	--	--	--	--
07/09/01	195.90	9.72	186.18	79,000	15,000	7,800	3,000	15,000	660
10/08/01	195.90	10.88	185.02	112,000	25,300	11,800	4,280	20,600	374
01/07/02 ³	195.90	4.34	191.56	96,100	21,100	13,500	4,160	21,900	596/330 ²
04/08/02	195.90	6.84	189.06	111,000	21,200	13,400	4,230	21,000	814
10/23/02 ^{3,4}	195.90	--	--	--	--	--	--	--	--
04/15/03 ⁵	195.90	--	--	--	--	--	--	--	--
10/31/03 ⁵	195.90	--	--	--	--	--	--	--	--
04/23/04 ⁴	195.90	--	--	--	--	--	--	--	--
MW-2									
04/25/01 ¹	197.28	8.52	188.76	--	--	--	--	--	--
07/09/01	197.28	11.05	186.23	39,000	6,200	730	2,300	6,100	180
10/08/01	197.28	12.79	184.49	40,700	6,310	399	2,100	5,320	6,460
01/07/02 ³	197.28	4.92	192.36	59,600	10,300	3,250	4,180	14,400	366/170 ²
04/08/02	197.28	8.40	188.88	66,700	10,200	2,670	3,840	13,200	583
10/23/02 ^{3,4}	197.28	--	--	--	--	--	--	--	--
04/15/03 ⁵	197.28	--	--	--	--	--	--	--	--
10/31/03 ⁵	197.28	--	--	--	--	--	--	--	--
04/23/04 ⁴	197.28	--	--	--	--	--	--	--	--
MW-3									
04/25/01 ¹	195.22	6.61	188.61	--	--	--	--	--	--
07/09/01	195.22	8.85	186.37	12,000	39	10	690	1,600	35
10/08/01	195.22	9.75	185.47	4,912.5	107.7	3.9	99.0	132.5	52.2
01/07/02 ³	195.22	4.25	190.97	7,260	723	138	492	887	81.7/16.7 ²
04/08/02	195.22	6.33	188.89	11,700	540	108	706	1,710	<0.5
10/23/02 ^{3,4}	195.22	--	--	--	--	--	--	--	--

Table 5
Joint Groundwater Monitoring Data and Analytical Results
 Sheaff's Garage
 5930 College Avenue
 Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)									
04/15/03 ⁵	195.22	--	--	--	--	--	--	--	--
10/31/03 ⁵	195.22	--	--	--	--	--	--	--	--
04/23/04 ⁴	195.22	--	--	--	--	--	--	--	--

Table 5
Joint Groundwater Monitoring and Analytical Results
Sheaff's Garage
5930 College Avenue
Oakland, California

EXPLANATIONS:

Joint groundwater monitoring data and laboratory analytical results were provided by Golden Gate Tank Removal, Inc.

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

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

* TOC elevations were surveyed on April 26, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elevation = 179.075 feet, msl).

¹ Joint monitoring laboratory analytical results were not provided.

² MTBE by EPA Method 8260

³ Joint monitoring was conducted on different day than Chevron.

⁴ Joint monitoring data was not provided.

⁵ Joint monitoring and sampling was scheduled but not conducted.

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 #209339 Job Number: 386521
 Site Address: 5940 College Avenue Event Date: 4.23.09 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-1 Date Monitored: 4.23.09 Well Condition: 0.1c
 Well Diameter: 2 in.
 Total Depth: 20.15 ft.
 Depth to Water: 9.02 ft.
 Volume Factor (VF) table:

3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 xVF 0.17 = 1.89 x3 (case volume) = Estimated Purge Volume: 5.5 gal.

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: 0.2 ft
 Visual Confirmation/Description:
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0950 Weather Conditions: clear
 Sample Time/Date: 102619-23.09 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)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1005</u>	<u>1.5</u>	<u>7.34</u>	<u>4.21</u>	<u>69.3</u>		
<u>1009</u>	<u>3</u>	<u>7.46</u>	<u>4.36</u>	<u>69.8</u>		
<u>1014</u>	<u>5.5</u>	<u>7.42</u>	<u>9.40</u>	<u>69.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #209339
 Site Address: 5940 College Avenue
 City: Oakland, CA

Job Number: 386521
 Event Date: 4-23-04 (inclusive)
 Sampler: Joc

Well ID: MW-2
 Well Diameter: 2 in.
 Total Depth: 20.10 ft.
 Depth to Water: 8.38 ft.

Date Monitored: 4-23-04 Well Condition: o.k

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

11.72 x VF 0.17 = 1.99 x3 (case volume) = Estimated Purge Volume: 6 gal.

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): 0920 Weather Conditions: clear
 Sample Time/Date: 0936 4-23-04 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 (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0915</u>	<u>2</u>	<u>6.82</u>	<u>0.55</u>	<u>64.0</u>	_____	_____
<u>0919</u>	<u>4</u>	<u>6.80</u>	<u>0.56</u>	<u>64.7</u>	_____	_____
<u>0924</u>	<u>6</u>	<u>6.77</u>	<u>0.62</u>	<u>65.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX(8021)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody



042304-08

For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 4261055-57 SCR#: 893479

Facility #: <u>SS#209339 G-R#386521 Global ID#</u> Site Address: <u>5940 COLLEGE AVENUE, OAKLAND, CA</u> Chevron PM: <u>KS</u> Lead Consultant: <u>CAMBRIA</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>JOE ASEMIAN</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Oil		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Analyses Requested</th> </tr> <tr> <th colspan="10">Preservation Codes</th> </tr> <tr> <td style="text-align: center;">H</td> <td style="text-align: center;">H</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">BTEX</td> <td style="text-align: center;">8260</td> <td style="text-align: center;">8021Z</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">TPH</td> <td style="text-align: center;">8015 MOD</td> <td style="text-align: center;">GRO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">TPH</td> <td style="text-align: center;">8015 MOD DRO</td> <td style="text-align: center;">Silica Gel Cleanup</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">8260</td> <td style="text-align: center;">M scan</td> <td style="text-align: center;">Oxygenates</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Lead</td> <td style="text-align: center;">7420</td> <td style="text-align: center;">7421</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Analyses Requested										Preservation Codes										H	H									BTEX	8260	8021Z								TPH	8015 MOD	GRO								TPH	8015 MOD DRO	Silica Gel Cleanup								8260	M scan	Oxygenates								Lead	7420	7421								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Preservative Codes</th> </tr> <tr> <td>H = HCl</td> <td>T = Thiosulfate</td> </tr> <tr> <td>N = HNO₃</td> <td>B = NaOH</td> </tr> <tr> <td>S = H₂SO₄</td> <td>O = Other</td> </tr> </table> <p><input type="checkbox"/> J value reporting needed</p> <p><input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds</p> <p>8021 MTBE Confirmation</p> <p><input type="checkbox"/> Confirm highest hit by 8260</p> <p><input type="checkbox"/> Confirm all hits by 8260</p> <p><input type="checkbox"/> Run ___ oxy s on highest hit</p> <p><input type="checkbox"/> Run ___ oxy s on all hits</p>		Preservative Codes		H = HCl	T = Thiosulfate	N = HNO ₃	B = NaOH	S = H ₂ SO ₄	O = Other
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mw-2			"	0936	↓						3	✓	✓																																																																																											

Turnaround Time Requested (TAT) (please circle) (STD. TAT) 72 hour 48 hour 24 hour 4 day 5 day			Relinquished by: _____ Date: <u>4-23-04</u> Time: <u>1325</u>		Received by: _____ Date: <u>4/23/04</u> Time: <u>1504</u>	
Data Package Options (please circle if required) QC Summary Type I — Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk			Relinquished by: _____ Date: <u>4/23/04</u> Time: <u>1700</u>		Received by: _____ Date: <u>4/23/04</u> Time: _____	
Relinquished by Commercial Carrier UPS _____ FedEx _____ Other _____			Relinquished by: _____ Date: <u>4/23/04</u> Time: <u>1715</u>		Received by: _____ Date: <u>4/23/04</u> Time: _____	
Temperature Upon Receipt <u>3</u> °C			Relinquished by: _____ Date: <u>4/24/04</u> Time: <u>0915</u>		Received by: _____ Date: <u>4/24/04</u> Time: <u>0915</u>	
Custody Seals Intact? Yes No			Received by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____	

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 893479. Samples arrived at the laboratory on Saturday, April 24, 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-040423	NA Water	4261055
MW-1-W-040423	Grab Water	4261056
MW-2-W-040423	Grab Water	4261057

1 COPY TO Cambria C/O Gettler- Ryan
ELECTRONIC Gettler-Ryan
COPY TO

Attn: Deanna L. Harding
Attn: Cheryl Hansen

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

Respectfully Submitted,



Victoria M. Martell
Chemist

Lancaster Laboratories Sample No. WW 4261055

 QA-T-040423 NA Water
 Facility# 209339 Job# 386521 GRD
 5940 College Ave-Oakland NA QA
 Collected: 04/23/2004

Account Number: 10904

 Submitted: 04/24/2004 09:15
 Reported: 04/29/2004 at 16:37
 Discard: 05/30/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method Detection Limit		
01729	TPH-GRO - Waters					
01730	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.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	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		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/29/2004 06:17	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/29/2004 06:17	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/29/2004 06:17	Linda C Pape	n.a.

Lancaster Laboratories Sample No. WW 4261056

 MW-1-W-040423 Grab Water
 Facility# 209339 Job# 386521 GRD
 5940 College Ave-Oakland NA MW-1
 Collected: 04/23/2004 10:26 by JA

Account Number: 10904

 Submitted: 04/24/2004 09:15
 Reported: 04/29/2004 at 16:38
 Discard: 05/30/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	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.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	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		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	04/29/2004 08:01	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/29/2004 08:01	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/29/2004 08:01	Linda C Pape	n.a.

Lancaster Laboratories Sample No. WW 4261057

 MW-2-W-040423 Grab Water
 Facility# 209339 Job# 386521 GRD
 5940 College Ave-Oakland NA MW-2
 Collected: 04/23/2004 09:36 by JA

Account Number: 10904

 Submitted: 04/24/2004 09:15
 Reported: 04/29/2004 at 16:38
 Discard: 05/30/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	960.	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.					
05879	BTEX					
02161	Benzene	71-43-2	8.9	0.5	ug/l	1
02164	Toluene	108-88-3	1.0	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	2.4	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	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		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/29/2004 08:35	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/29/2004 08:35	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/29/2004 08:35	Linda C Pape	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 04/29/04 at 04:38 PM

Group Number: 893479

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

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04119A56B	Sample number(s): 4261055-4261057							
TPH-GRO - Waters	N.D.	50.	ug/l	103	108	70-130	5	30
Benzene	N.D.	0.5	ug/l	100	99	79-123	1	30
Toluene	N.D.	0.5	ug/l	103	102	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	97	96	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	97	95	82-120	2	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04119A56B	Sample number(s): 4261055-4261057								
TPH-GRO - Waters	99		63-154						
Benzene	106		67-136						
Toluene	111		78-129						
Ethylbenzene	106		75-133						
Total Xylenes	105		86-132						

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 04119A56B

	Trifluorotoluene-F	Trifluorotoluene-P
4261055	90	103
4261056	84	100
4261057	95	90
Blank	89	103
LCS	103	104
LCSD	106	105
MS	98	104
Limits:	57-146	66-136

*- 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.