



Eric Frohnapple, P.E.  
Project Manager  
Marketing Business Unit

**Chevron Environmental  
Management Company**  
6111 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 790-6692  
ericf@chevron.com

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

Re: Former Chevron Service Station No. 20-9339  
5940 College Avenue  
Oakland, California

**RECEIVED**

**3:31 pm, Dec 05, 2011**

Alameda County  
Environmental Health

I accept the **Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report** dated November 30, 2011.

I agree with the conclusions and recommendations presented in this document. The information included is accurate to the best of my knowledge, and appears to meet local agency and Regional Board guidelines. This **Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report** was prepared by Conestoga Rovers & Associates, 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 to the best of my knowledge.

Sincerely,

Eric Frohnapple, P.E.  
Project Manager

Attachment: **Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report**



**CONESTOGA-ROVERS  
& ASSOCIATES**

5900 Hollis Street, Suite A  
Emeryville, California 94608  
Telephone: (510) 420-0700 Fax: (510) 420-9170  
<http://www.craworld.com>

November 30, 2011

Reference No. 311954

Mr. Mark Detterman  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: Second Semi-Annual 2011  
Groundwater Monitoring and Sampling Report  
Former Chevron Service Station 20-9339  
5940 College Avenue  
Oakland, California  
ACEH Case No. RO0000466

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Dear Mr. Mark Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company. Groundwater monitoring and sampling was performed by Gettler-Ryan, Inc. of Dublin, California and their October 18, 2011 *Second Semi-Annual Groundwater Monitoring and Sampling Data Package* is included as Attachment A. Current groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' October 19, 2011 *Analytical Results* is included as Attachment B. Historical groundwater data are included as Attachment C. Groundwater monitoring and sampling for the former Sheaff's Garage (5930 College Avenue) was conducted by Golden Gate Tank Removal (GGTR) and their analytical data table is included as Attachment D.

### **RESULTS OF SECOND SEMI-ANNUAL 2011 EVENT**

On October 7, 2011, G-R monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction West
- Hydraulic Gradient 0.60
- Depth to Water 10.27 to 10.66 feet below grade

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Equal  
Employment Opportunity  
Employer

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November 30, 2011

Reference No. 311954

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Results of the current sampling event are presented below in Table A:

<b>TABLE A : GROUNDWATER ANALYTICAL DATA</b>					
<i>Well ID</i>	<i>TPHg (µg/L)</i>	<i>Benzene (µg/L)</i>	<i>Toluene (µg/L)</i>	<i>Ethylbenzene (µg/L)</i>	<i>Total Xylenes (µg/L)</i>
<i>ESLs</i>	<b>100</b>	<b>1</b>	<b>40</b>	<b>30</b>	<b>20</b>
MW-1	<b>140</b>	<0.5	<0.5	<0.5	2.0
MW-2	<b>370</b>	0.7	<0.5	0.8	5.0
<b>Former Sheaff's Garage Analytical Data</b>					
MW-1	<b>50,000</b>	<b>9,200</b>	<b>1,500</b>	<b>4,200</b>	<b>13,500</b>
MW-2	<b>9,200</b>	<b>810</b>	34	<b>610</b>	<b>100</b>
MW-3	<b>5,400</b>	<b>140</b>	7.0	<b>160</b>	<b>67</b>
PW-1	<b>260</b>	<0.5	<0.5	5.9	4.5
µg/L Micrograms per liter < Indicates constituent was not detected at or above the stated laboratory reporting limit ESL California Regional Water Quality Control Board, San Francisco Bay Region. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table A, Interim Final-November 2007 (Revised May 2008). <b>BOLD</b> indicates concentrations detected at or above ESLs					

**CONCLUSIONS AND RECOMMENDATIONS**

The results of ongoing groundwater monitoring and sampling at the site indicate the following:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations were below the laboratory detection limit and/or ESL for drinking water.
- Total petroleum hydrocarbons as gasoline (TPHg) was detected in both site wells, but concentrations are low, near the ESL for drinking water, and are within historical ranges.
- Hydrocarbon concentrations detected at the Sheaff site are as much as three orders of magnitude higher than those detected in Chevron wells.

CRA submitted a *Case Closure Request* on August 25, 2011. CRA requests to discontinue groundwater monitoring and sampling while the site is being reviewed for case closure.



**CONESTOGA-ROVERS  
& ASSOCIATES**

November 30, 2011

Reference No. 311954

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Please contact Kiersten Hoey at (510) 420-3347 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Kiersten Hoey

Brandon S. Wilken, PG 7564



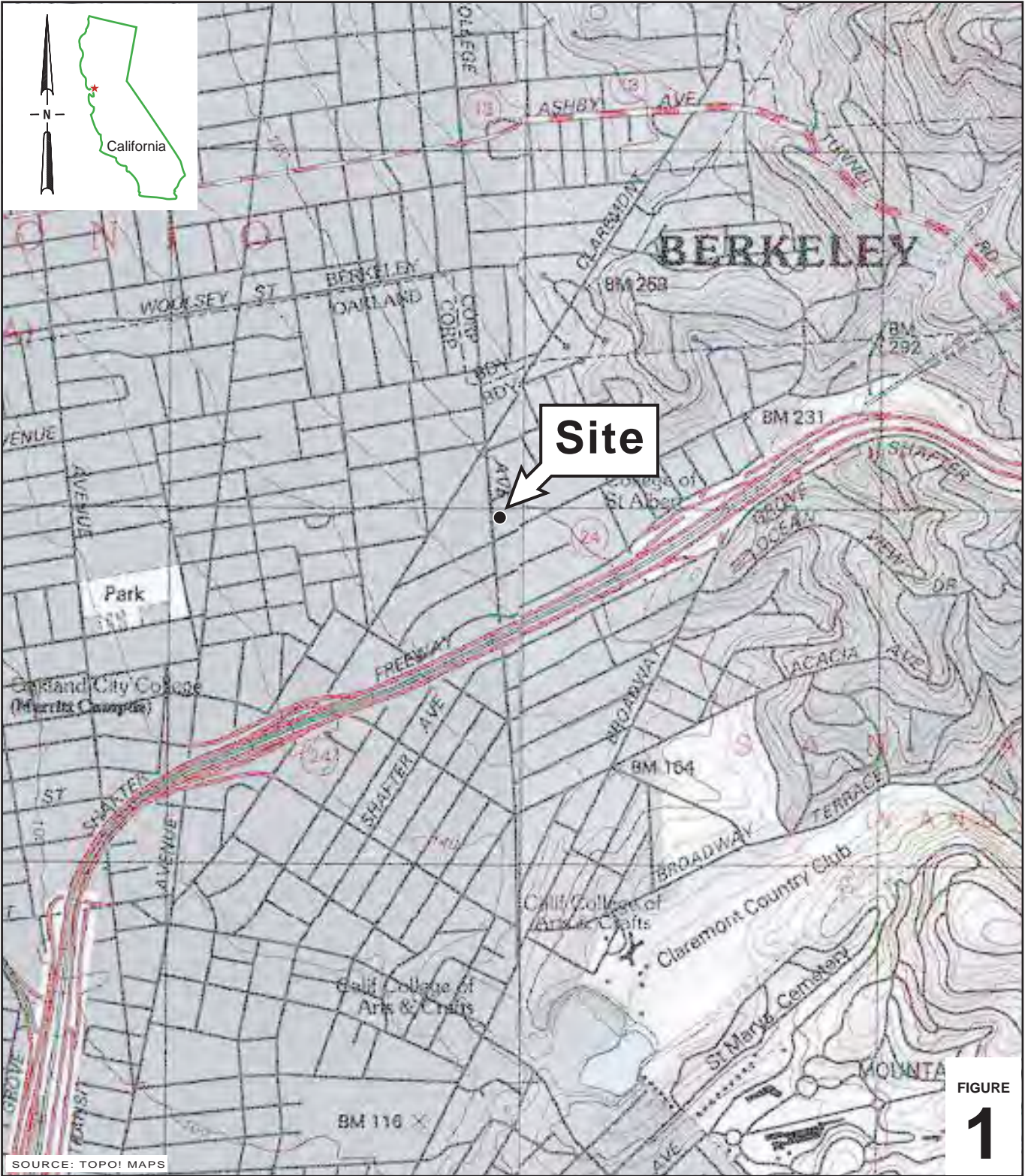
KH/aa/9  
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report
Attachment C	Historical Groundwater Monitoring and Sampling Data
Attachment D	Sheaff's Garage Historical Groundwater Monitoring and Sampling Data

cc: Mr. Eric Frohnapple, Chevron (*electronic copy*)  
Mr. Donald Sweet, San Francisco Property MGMT  
Mr. Patrick Elwood, College Square Associates

## FIGURES





I:\Chevron\3119--\311954\_20-9339\_Oakland\311954\_Prc\_September 2008\Figures\20-9339\_VICINITY-MAP\_AI

SOURCE: TOPOI MAPS

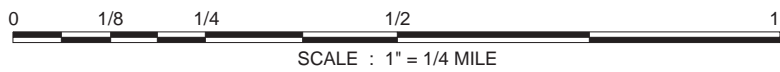


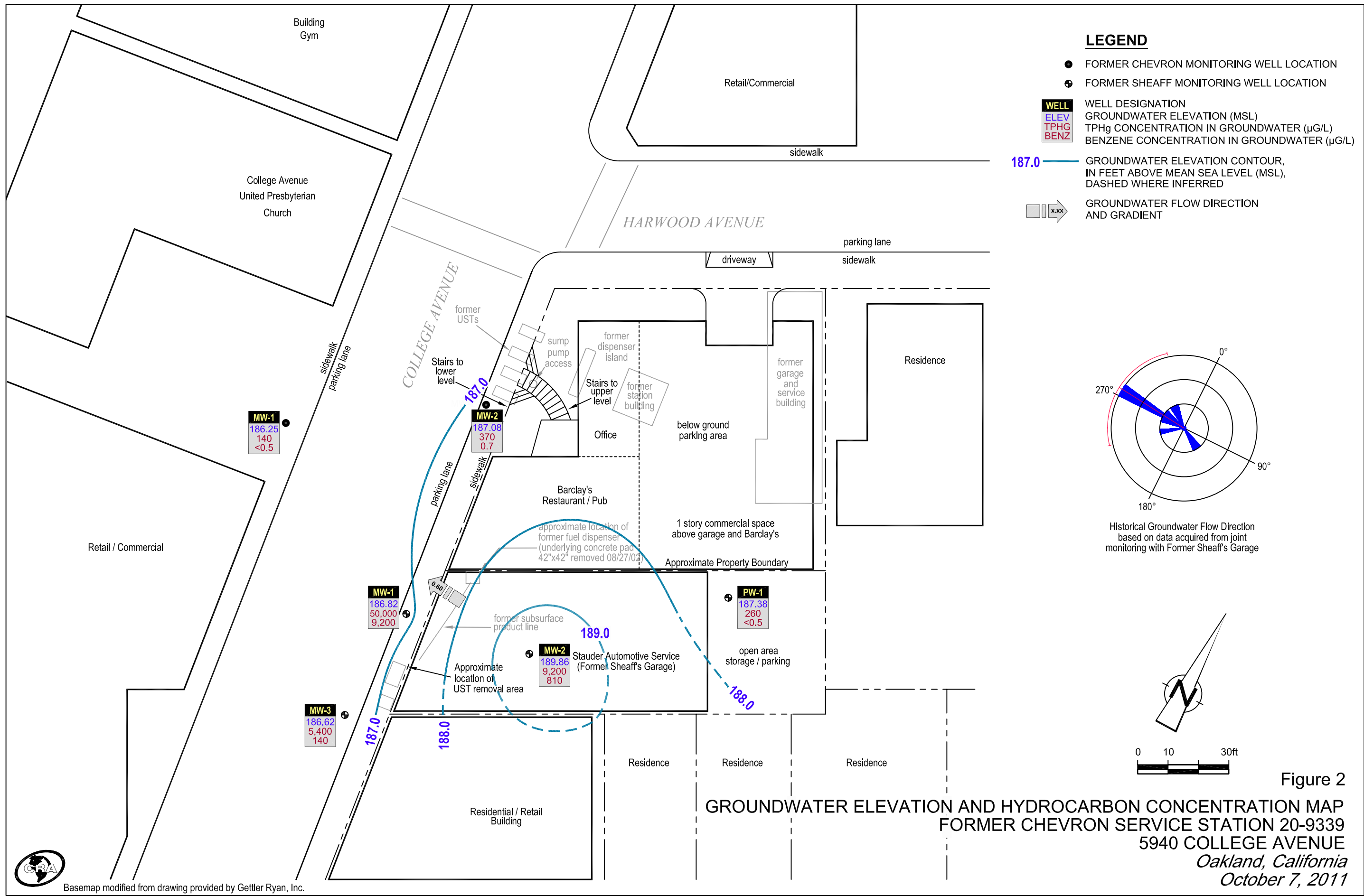
FIGURE 1

**Chevron Service Station 20-9339**  
 5940 College Avenue  
 Oakland, California



**CONESTOGA-ROVERS  
 & ASSOCIATES**

**Vicinity Map**



Basemap modified from drawing provided by Gettler Ryan, Inc.

## TABLE



**GROUNDWATER MONITORING AND SAMPLING DATA  
CHEVRON SERVICE STATION 20-9339  
5940 COLLEGE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS	PRIMARY VOCS			
					TPH-GRO	B	T	E	X
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	10/14/2010	196.91	13.25	183.66	<50	<0.5	<0.5	<0.5	<1.5
MW-1	04/14/2011	196.91	7.81	189.10	<50	<0.5	<0.5	<0.5	<1.5
<b>MW-1</b>	<b>10/07/2011</b>	<b>196.91</b>	<b>10.66</b>	<b>186.25</b>	<b>140</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;2.0</b>	<b>2.0</b>
MW-2	10/14/2010	197.35	12.15	185.20	480	1.3	<2.0	<2.0	7.1
MW-2	04/14/2011	197.35	6.92	190.43	150	<0.5	<0.5	<0.5	<5.0
<b>MW-2</b>	<b>10/07/2011</b>	<b>197.35</b>	<b>10.27</b>	<b>187.08</b>	<b>370</b>	<b>0.7</b>	<b>&lt;0.5</b>	<b>0.8</b>	<b>5.0</b>
QA	10/14/2010	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
QA	04/14/2011	-	-	-	<50	<0.5	<0.5	<0.5	<1.5
<b>QA</b>	<b>10/07/2011</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>

**Abbreviations and Notes:**

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

µg/L = Micrograms per Liter

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

**GROUNDWATER MONITORING AND SAMPLING DATA  
CHEVRON SERVICE STATION 20-9339  
5940 COLLEGE AVENUE  
OAKLAND, CALIFORNIA**

E = Ethylbenzene

X = Xylene

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

\* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying.  
The benchmark used for the survey was the 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).

ATTACHMENT A

MONITORING DATA PACKAGE



# GETTLER-RYAN INC.



## TRANSMITTAL

October 18, 2011

G-R #386521

TO: Ms. Kiersten Hoey  
Conestoga-Rovers & Associates  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

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  
RO 0000466**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package Second Semi-Annual Event of October 7, 2011

### COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/209339

## WELL CONDITION STATUS SHEET

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

Job # 386521  
 Event Date: 10.7.11  
 Sampler: FT

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / <del>No</del>
MW-1	OK						→	N	Y	Boards 6-18" / 2	
MW-2	OK						→	N	N	2 " "	

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

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, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). 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 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, as directed by the scope of work. 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. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #209339 Job Number: 386521  
 Site Address: 5940 College Avenue Event Date: 10-7-11 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-1  
 Well Diameter: 2 in.  
 Total Depth: 20.15 ft.  
 Depth to Water: 10.66 ft.  
9.49 xVF .17 = 1.61

Date Monitored: \_\_\_\_\_

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

Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.55

**Purge Equipment:**

Disposable Bailer /  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**

Disposable Bailer /  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 0845 Weather Conditions: SUNNY  
 Sample Time/Date: 0910 / 10.7.11 Water Color: CLEAR Odor: Y / (N)  
 Approx. Flow Rate: / gpm. Sediment Description: NONE  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 12.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm - µS)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>0848</u>	<u>1.5</u>	<u>7.28</u>	<u>590</u>	<u>16.6</u>	_____	_____
<u>0851</u>	<u>3.0</u>	<u>7.24</u>	<u>592</u>	<u>17.4</u>	_____	_____
<u>0854</u>	<u>5.0</u>	<u>7.21</u>	<u>595</u>	<u>17.6</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-GRO(8015)/BTEX(8021)</u>

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

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: / (2") Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #209339 Job Number: 386521  
 Site Address: 5940 College Avenue Event Date: 10.7.11 (inclusive)  
 City: Oakland, CA Sampler: FR

Well ID: MW-2 Date Monitored: 10.7.11  
 Well Diameter: 2 in.  
 Total Depth: 20.10 ft.  
 Depth to Water: 10.27 ft.  Check if water column is less than 0.50 ft.  
9.83 xVF .17 = 1.67 x3 case volume = Estimated Purge Volume: 5.0 gal.  
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.23

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 \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer /  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 0930 Weather Conditions: SUNNY  
 Sample Time/Date: 0932/10.7.11 Water Color: CLEAR Odor: DIN SLIGHT  
 Approx. Flow Rate: / gpm. Sediment Description: NOPE  
 Did well de-water? ND If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 11.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°C/ F)	D.O. (mg/L)	ORP (mV)
<u>0933</u>	<u>1.5</u>	<u>7.21</u>	<u>614</u>	<u>18.1</u>		
<u>0936</u>	<u>3.0</u>	<u>7.17</u>	<u>620</u>	<u>18.3</u>		
<u>0940</u>	<u>5.0</u>	<u>7.13</u>	<u>624</u>	<u>18.5</u>		

### LABORATORY INFORMATION

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

### COMMENTS:

\_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: \_\_\_\_\_ Sample #: \_\_\_\_\_ Group #: **008148**

SG#2093339 CML G-R/#386521 Global ID#T00015752694

Facility #: 5940 COLLEGE AVENUE, OAKLAND, CA  
 Site Address: EF CRAHK Hoey  
 Chevron PM: G-R, Inc. 6747 Sierra Blvd, Dublin, CA 94568  
 Consultant/Office: Deanna I. Harding (deanna@grinc.com)  
 Consultant Prj. Mgr.: 925-551-7555 925-551-7899  
 Consultant Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Sampler: Frank Tenenbaum

Matrix		Analyses Requested												
		Preservation Codes												
Potable <input type="checkbox"/> NPDES	Water	Oil <input type="checkbox"/> Air	Total Number of Containers	BTEX	MTBE	8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method
	Soil													
			2	X	X									
			3	X	X									
			3	X	X									

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>      B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>      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 <input type="checkbox"/> Air	Total Number of Containers
<u>QA</u>	<u>10.7.11</u>					<u>W</u>		<u>2</u>
<u>MW-1</u>	<u>↓</u>	<u>0910</u>	<u>X</u>			<u>↓</u>		<u>3</u>
<u>MW-2</u>	<u>↓</u>	<u>0952</u>	<u>X</u>			<u>↓</u>		<u>3</u>

**Comments / Remarks**

Please forward the lab results directly to the Lead Consultant and cc: G-R.

**Turnaround Time Requested (TAT)** (please circle)

STD. TAT      72 hour      48 hour  
 24-hour      4 day      5 day

Relinquished by: \_\_\_\_\_ Date: 10.7.11 Time: 1155  
 Received by: a. Salgar Date: 07 OCT 11 Time: 1155

**Data Package Options** (please circle if required)

QC Summary      Type I - Full      **EDF/EDD**  
 Type VI (Raw Data)       Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by Commercial Carrier: \_\_\_\_\_  
 UPS      FedEx      Other \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Temperature Upon Receipt \_\_\_\_\_ C°      Custody Seals Intact?      Yes      No

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

## ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

October 19, 2011

Project: 209339

Submittal Date: 10/08/2011  
Group Number: 1270360  
PO Number: 0015075227  
Release Number: FROHNAPPLE  
State of Sample Origin: CAClient Sample DescriptionQA-T-111007 NA Water  
MW-1-W-111007 Grab Water  
MW-2-W-111007 Grab WaterLancaster Labs (LLD) #6432154  
6432155  
6432156

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO  
ELECTRONIC COPY TO  
ELECTRONIC COPY TO  
ELECTRONIC COPY TO  
ELECTRONIC COPY TO

CRA c/o Gettler-Ryan

Chevron c/o CRA

Chevron

CRA

Attn: Rachelle Munoz

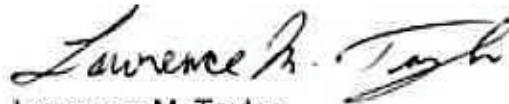
Attn: Report Contact

Attn: Anna Avina

Attn: Kiersten Hoey

Questions? Contact your Client Services Representative  
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,



Lawrence M. Taylor  
Senior Specialist





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: QA-T-111007 NA Water  
Facility# 209339 Job# 386521 GRD  
5940 College Ave-Oakland T06019752694 QA

LLI Sample # WW 6432154  
LLI Group # 1270360  
Account # 10904

Project Name: 209339

Collected: 10/07/2011

Chevron

Submitted: 10/08/2011 09:30

6001 Bollinger Canyon Rd L4310

Reported: 10/19/2011 11:16

San Ramon CA 94583

CAOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02102	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02102	Ethylbenzene	100-41-4	N.D.	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	N.D.	1.5	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11290A94A	10/17/2011 16:46	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11290A94A	10/17/2011 16:46	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11290A94A	10/17/2011 16:46	Marie D John	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description: MW-1-W-111007 Grab Water**  
Facility# 209339 Job# 386521 GRD  
5940 College Ave-Oakland T06019752694 MW-1

LLI Sample # WW 6432155  
LLI Group # 1270360  
Account # 10904

**Project Name: 209339**

Collected: 10/07/2011 09:10 by FT

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 10/08/2011 09:30

Reported: 10/19/2011 11:16

CAO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles SW-846 8015B ug/l</b>					
01729	TPH-GRO N. CA water C6-C12	n.a.	140	50	1
<b>GC Volatiles SW-846 8021B ug/l</b>					
02102	Benzene	71-43-2	N.D.	0.5	1
02102	Ethylbenzene	100-41-4	N.D.	2.0	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	2.0	1.5	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11290A94A	10/17/2011 17:11	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11290A94A	10/17/2011 17:11	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11290A94A	10/17/2011 17:11	Marie D John	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description: MW-2-W-111007 Grab Water**  
Facility# 209339 Job# 386521 GRD  
5940 College Ave-Oakland T06019752694 MW-2

LLI Sample # WW 6432156  
LLI Group # 1270360  
Account # 10904

**Project Name: 209339**

Collected: 10/07/2011 09:52 by FT

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 10/08/2011 09:30

Reported: 10/19/2011 11:16

CA002

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles SW-846 8015B ug/l</b>					
01729	TPH-GRO N. CA water C6-C12	n.a.	370	50	1
<b>GC Volatiles SW-846 8021B ug/l</b>					
02102	Benzene	71-43-2	0.7	0.5	1
02102	Ethylbenzene	100-41-4	0.8	0.5	1
02102	Toluene	108-88-3	N.D.	0.5	1
02102	Total Xylenes	1330-20-7	5.0	1.5	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11290A94A	10/17/2011 17:36	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11290A94A	10/17/2011 17:36	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11290A94A	10/17/2011 17:36	Marie D John	1

## Quality Control Summary

Client Name: Chevron  
Reported: 10/19/11 at 11:16 AM

Group Number: 1270360

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### 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: 11290A94A	Sample number(s): 6432154-6432156							
Benzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Ethylbenzene	N.D.	0.2	ug/l	100	100	80-120	0	30
Toluene	N.D.	0.2	ug/l	95	95	80-120	0	30
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Total Xylenes	N.D.	0.6	ug/l	102	102	80-120	0	30

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master  
Batch number: 11290A94A

	Trifluorotoluene-F	Trifluorotoluene-P
6432154	90	84
6432155	83	85
6432156	86	86
Blank	79	84
LCS	93	84
LCSD	94	84
Limits:	63-135	58-146

\*- Outside of specification

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

# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: 10904 Sample # 6432154-56 Group #: 008148

160711-02

Q# 1270360

Facility #: SS#209339-OML G-R#38852T Global ID#T06019752694  
 Site Address: 5940 COLLEGE AVENUE, OAKLAND, CA  
 Site Address: EF CRAHK Hoey  
 Chevron PM: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568  
 Consultant/Office: Deanna L. Harding (deanna@grinc.com)  
 Consultant Prj. Mgr.: 925-551-7555 925-551-7899  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: Frank Tennison

**Matrix**

Soil  Potable  NPDES   
 Water  Air

**Analyses Requested**

Preservation Codes		Preservative Codes	
<u>H</u>	<u>H</u>	<u>H</u>	<u>H</u>
<input checked="" type="checkbox"/> BTEX 8260 <input checked="" type="checkbox"/> 8021	<input type="checkbox"/> TPH 8015 MOD GFO	<input type="checkbox"/> TPH 8015 MOD DFO	<input type="checkbox"/> Silica Gel Cleanup
<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Total Lead Method	<input type="checkbox"/> Dissolved Lead Method

**Preservative Codes**  
 H = HCl T = Thiosulfate  
 N = HNO<sub>3</sub> B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub> 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 8260	TPH 8015 MOD GFO	TPH 8015 MOD DFO	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method
<u>QA</u>	<u>10.7.11</u>					<u>W</u>			<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-1</u>	<u>↓</u>	<u>0910</u>	<input checked="" type="checkbox"/>			<u>↓</u>			<u>3</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-2</u>	<u>↓</u>	<u>0952</u>	<input checked="" type="checkbox"/>			<u>↓</u>			<u>3</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

**Comments / Remarks**

Please forward the lab results directly to the Lead Consultant and cc: G-R.

**Turnaround Time Requested (TAT) (please circle)**

STD. TAT 72 hour 48 hour  
 24 hour 4 day 5 day

**Data Package Options (please circle if required)**

QC Summary Type I - Full **EDF/EDD**  
 Type VI (Raw Data)  Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>10.7.11</u>	Time: <u>1155</u>	Received by: <u>a. Salgar</u>	Date: <u>07 OCT 11</u>	Time: <u>1155</u>
Relinquished by: <u>a. Salgar</u>	Date: <u>07 OCT 11</u>	Time: <u>1630</u>	Received by: <u>FED EX</u>	Date: <u>10.7.11</u>	Time: <u>0920</u>
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	UPS	Other: _____	Received by: _____	Date: <u>10.7.11</u>	Time: <u>0920</u>
Temperature Upon Receipt: <u>17</u> C°	Custody Seals Intact? <u>Yes</u> No				

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
<b>A</b> TIC is a possible aldol-condensation product	<b>B</b> Value is $<$ CRDL, but $\geq$ IDL
<b>B</b> Analyte was also detected in the blank	<b>E</b> Estimated due to interference
<b>C</b> Pesticide result confirmed by GC/MS	<b>M</b> Duplicate injection precision not met
<b>D</b> Compound quantitated on a diluted sample	<b>N</b> Spike sample not within control limits
<b>E</b> Concentration exceeds the calibration range of the instrument	<b>S</b> Method of standard additions (MSA) used for calculation
<b>N</b> Presumptive evidence of a compound (TICs only)	<b>U</b> Compound was not detected
<b>P</b> Concentration difference between primary and confirmation columns $>$ 25%	<b>W</b> Post digestion spike out of control limits
<b>U</b> Compound was not detected	<b>*</b> Duplicate analysis not within control limits
<b>X,Y,Z</b> Defined in case narrative	<b>+</b> Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ATTACHMENT C

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

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

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>DTW (ft.)</b>	<b>GWE (msl)</b>	<b>TPH-GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>
<b>MW-1</b>									
01/03/01	196.91	12.75	184.16	930 <sup>1</sup>	2.9	6.9	2.7	7.6	14/<2.0 <sup>3</sup>
04/25/01	196.91	9.23	187.68	210 <sup>4</sup>	2.0	1.5	2.0	3.3	5.3/<2.0 <sup>3</sup>
07/09/01	196.91	11.86	185.05	290 <sup>5</sup>	1.8	2.0	2.5	0.96	<2.5
06/08/00	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	--
10/22/04	196.91	11.50	185.41	63	<0.5	<0.5	<0.5	<1.5	--
04/14/05	196.91	7.11	189.80	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/05	196.91	11.90	185.01	160	<0.5	<0.5	0.6	<5.0	--
04/14/06	196.91	6.95	189.96	<50	<0.5	<0.5	<0.5	<1.5	--
10/26/06	196.91	11.68	185.23	<50	<0.5	<0.5	<0.5	<1.5	--
04/13/07 <sup>6</sup>	196.91	10.71	186.20	1,200	3.4	<5.0	2.1	<20	--
10/22/07	196.91	13.75	183.16	<50	<0.5	<0.5	<0.5	<1.5	--
04/21/08	196.91	9.95	186.96	120	<0.5	<0.5	<0.5	<1.5	--
10/15/08	196.91	14.30	182.61	<50	<0.5	<0.5	<0.5	<1.5	--
04/15/09	196.91	9.20	187.71	<50	<0.5	<0.5	<0.5	<1.5	--
10/01/09	196.91	14.26	182.65	<50	<0.5	<0.5	<0.5	<1.5	--
<b>04/12/10</b>	<b>196.91</b>	<b>7.04</b>	<b>189.87</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>	<b>--</b>
<b>MW-2</b>									
01/03/01	197.35	12.48	184.87	2,100 <sup>2</sup>	110	11	63	25	83/2.2 <sup>3</sup>
04/25/01	197.35	8.90	188.45	1,700 <sup>4</sup>	150	12	30	15	150/<2.0 <sup>3</sup>
07/09/01	197.35	11.44	185.91	2,500 <sup>5</sup>	200	21	55	26	<50
04/08/02	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 <sup>3</sup>
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	--

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

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>DTW (ft.)</b>	<b>GWE (msl)</b>	<b>TPH-GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>
<b>MW-2 (cont)</b>									
04/23/04	197.35	8.38	188.97	960	8.9	1.0	2.4	<1.5	--
10/22/04	197.35	11.41	185.94	2,200	24	<2.5	4.1	<10	--
04/14/05	197.35	6.69	190.66	640	2.1	<2.0	<2.0	7.5	--
10/14/05	197.35	11.14	186.21	1,200	6.9	<2.5	<2.5	<7.5	--
04/14/06	197.35	6.54	190.81	180	<0.5	<0.5	<0.5	<5.0	--
10/26/06	197.35	11.02	186.33	550	<2.0	0.5	<2.0	<10	--
04/13/07 <sup>6</sup>	197.35	9.95	187.40	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/07	197.35	12.63	184.72	3,200	12	<5.0	4.7	<20	--
04/21/08	197.35	9.31	188.04	860	1.0	<2.0 <sup>7</sup>	<2.0 <sup>7</sup>	<10 <sup>7</sup>	--
10/15/08	197.35	13.71	183.64	480	1.3	0.8	1.1	<5.0 <sup>8</sup>	--
04/15/09	197.35	8.79	188.56	370	0.7	1.3	0.9	6.5	--
10/01/09	197.35	13.67	183.68	<50	<0.5	<0.5	<0.5	<1.5	--
<b>04/12/10</b>	<b>197.35</b>	<b>6.62</b>	<b>190.73</b>	<b>310</b>	<b>1.0</b>	<b>&lt;0.5</b>	<b>0.5</b>	<b>&lt;1.5</b>	<b>--</b>
<b>TRIP BLANK</b>									
<b>TB-LB</b>									
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
<b>QA</b>									
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	--
10/22/04	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/14/05	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/05	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/14/06	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/26/06	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/13/07	--	--	--	<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

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>DTW (ft.)</b>	<b>GWE (msl)</b>	<b>TPH-GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>
<b>QA (cont)</b>									
10/22/07	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/21/08	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/15/08	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/15/09	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/01/09	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
<b>04/12/10</b>	--	--	--	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>	--

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

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**EXPLANATIONS:**

TOC = Top of Casing  
(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation  
(msl) = Mean sea level

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl Tertiary Butyl Ether

(µg/L) = Micrograms per liter

-- = 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).

<sup>1</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.

<sup>2</sup> Laboratory report indicates gasoline C6-C12.

<sup>3</sup> MTBE by EPA Method 8260.

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

<sup>5</sup> Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

<sup>6</sup> Current laboratory analytical results do not coincide with historical data, although the laboratory results were confirmed.

<sup>7</sup> Laboratory report indicates that due to the presence of interferent near their retention time, normal reporting limits were not attained for toluene, ethylbenzene, and total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

<sup>8</sup> Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for total xylenes. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

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

<b>WELL ID</b>	<b>DATE</b>	<b>ETHANOL</b> <i>(µg/L)</i>	<b>TBA</b> <i>(µg/L)</i>	<b>MTBE</b> <i>(µg/L)</i>	<b>DIPE</b> <i>(µg/L)</i>	<b>ETBE</b> <i>(µg/L)</i>	<b>TAME</b> <i>(µg/L)</i>	<b>1,2-DCA</b> <i>(µg/L)</i>
<b>MW-1</b>	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	--
<b>MW-2</b>	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 = t-Butyl alcohol  
MTBE = Methyl Tertiary Butyl Ether  
DIPE = di-Isopropyl ether  
ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether  
1,2-DCA = 1,2-Dichloroethane  
(µg/L) = Micrograms per liter  
-- = 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 (mg/L)	TOTAL ALKALINITY (mg/L)	SULFATE AS SO <sub>4</sub> (mg/L)
MW-1	04/25/01	0.15	380	11
	07/09/01	<0.050	410	6.8
	10/08/01	-- <sup>1</sup>	414	5.4
	01/13/02	<0.10 <sup>2</sup>	390	10
MW-2	04/25/01	0.093	680	21
	07/09/01	0.44	600	9.3
	10/08/01	-- <sup>1</sup>	683	3.8
	01/13/02	<0.10 <sup>2</sup>	630	7.0

**EXPLANATIONS:**

(mg/L) = milligrams per liter

-- = Not Analyzed

**ANALYTICAL METHODS:**

EPA Method SM 3500 Fe for Ferrous Iron

EPA Method 310.1 for Total Alkalinity

EPA Method 300.0 for Sulfate as SO<sub>4</sub>

<sup>1</sup> Analysis was not performed by the laboratory as requested on the Chain of Custody.

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

## Table 4

### Field Measurements

Former Chevron Service Station #209339

5940 College Avenue

Oakland, California

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

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#### EXPLANATIONS:

D.O. = Dissolved Oxygen Concentration

(mg/L) = Milligrams per liter

ORP = Oxygen Reduction Potential

(mV) = Millivolt

-- = Not Measured

<sup>1</sup> D.O. and ORP meter erratic; measurements not taken.



ATTACHMENT D

SHEAFF'S GARAGE

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

**TABLE 1**  
**Historical Groundwater Levels & Hydrocarbon Analytical Results**  
**5930 College Avenue, Oakland, CA**

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-1	6/1/98	50.00 *	4.81	45.19	slight sheen	160000	1900	28000 / 21000 / 3800 / 21000
	9/10/98	50.00 *	7.5	42.5	Odor	290000	440	<50 / 25000 / 7100 / 32000
	10/7/99	50.00 *	10.04	39.96	Odor	85000	1100	20000 / 13000 / 3800 / 17000
	1/26/00	50.00 *	8.26	41.74	slight sheen	130000	470	25000 / 18000 / 4500 / 22000
	10/25/00	50.00 *	10.1	39.9	Odor	130000	1300	23000 / 12000 / 3900 / 18000
	2/2/01	50.00 *	9.61	40.39	Odor	128000	780	19000 / 11000 / 3800 / 18000
	4/25/01	195.9	7.39	188.51	Odor	120000	900	21000 / 13000 / 390 / 18000
	7/10/01		9.72	186.18	Odor	79000	660	15000 / 7800 / 3000 / 15000
	10/8/01		10.88	185.02	Odor/sheen	112000	374	25300 / 11800 / 4280 / 20600
	1/7/02		4.34	191.56	Odor	96100	596	21100 / 13500 / 4160 / 21900
	4/8/02		6.84	189.06	slight odor	111000	679	21200 / 13400 / 4230 / 21000
	7/9/02		9.4	186.5	slight odor	110000	570	20300 / 13300 / 4060 / 19800
	10/23/02		11.04	184.86	None	54100	1010 (1080)**	10800 / 3870 / 2320 / 9440
	10/15/03		10.8	185.1	None	90700	724	17800 / 4740 / 3150 / 13900
	2/2/04		7.35	188.55	None	108000	194	14200 / 7420 / 3450 / 19800
	4/23/04		6.83	189.07	slight odor	49200	114	7910 / 1480 / 1810 / 10100
	7/19/04		8.95	186.95	Odor	63900	303	7260 / 2270 / 2510 / 10100
	10/22/04		10.15	185.75	None	80700	493 (296)**	13900 / 1670 / 3550 / 15200
	1/21/05		5.45	190.45	Odor	278000	271 (174)**	14700 / 25300 / 10800 / 73500
	4/14/05		5.3	190.6	Odor /sheen	116000	366 (410)**	15100 / 7080 / 4220 / 20700
	7/26/05		7.6	188.3	Odor	82000	ND<250	12000 / 4500 / 3300 / 14000
	10/14/05		9.58	186.32	Odor/sheen	64000	ND<250	13000 / 5700 / 3400 / 16000
	1/13/06		4.6	191.3	Odor/sheen	49000	ND<250	12000 / 5300 / 3500 / 17000
	4/14/06		3.08	192.82	Odor	51000	270	14000 / 5300 / 3500 / 17000
	10/26/06		9.22	186.68	Odor	34000	ND<250	12000 / 1600 / 3100 / 8600
	1/30/07		9.6	186.3	Odor	39000	ND<200	10000 / 2200 / 2900 / 10000
	4/13/07		9.24	186.66	NM	52000	150	9100 / 2600 / 3100 / 11000
	7/24/07		10.67	185.23	None	46000	240	10000 / 1200 / 3500 / 6200
	4/21/08		7.24	188.66	None	50000	ND<100	7800 / 1500 / 3000 / 12000
	7/22/08		9.71	186.19	Odor	60000	470 <sup>1</sup>	8100 / 1500 / 2700 / 9800
	10/21/08		11.63	184.27	Odor	15000	110	4900 / 430 / 1900 / 2260
1/19/09	10.91		184.99	Odor/Sheen	33000	143	8830/837/2160/3880	
4/27/09	7.7		188.2	Odor	75000	53	8500/2100/2300/11000	
10/27/09	9.34		186.56	Odor	61000	75	8300/1500/2600/7900	
10/14/10	10.3		185.6	Clear/Odor	24000 <sup>2</sup>	220	8100/820/2200/4400	
6/9/11	6.38		189.5	Clear/Odor	53000	NA	14000/3000/3800/16900	
10/7/11	<b>9.08</b>		<b>186.82</b>	None	<b>50000<sup>2</sup></b>	<b>89</b>	<b>9200/1500/4200/13500</b>	
<b>CRWQCB ESL - Nov 2007 (Revised May 2008)</b>						<b>100</b>	<b>5</b>	<b>1.0 / 40 / 30 / 20</b>

Table Notes Following

**TABLE 1 (Cont.)**  
**Historical Groundwater Levels & Hydrocarbon Analytical Results**  
**5930 College Avenue, Oakland, CA**

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-2	10/7/99	51.42*	11.49	39.93	slight/odor	18000	490	3000 / 1700 / 1000 / 3900
	1/26/00	51.42*	7.85	43.57	None	42000	560	9300 / 2200 / 2300 / 7700
	10/25/00	51.42*	11.57	39.85	slight/odor	31000	500	5500 / 370 / 1700 / 2600
	2/2/01	51.42*	10.77	40.65	Odor	36000	400	4300 / 530 / 1800 / 4500
	4/25/01	197.28	8.52	188.76	Odor	56000	460	6700 / 1700 / 2600 / 8200
	7/10/01		11.05	186.23	Odor	39000	180	6200 / 730 / 2300 / 6100
	10/8/01		12.79	184.49	Odor/sheen	40700	6460	6310 / 399 / 2100 / 5320
	1/7/02		4.92	192.36	Odor	59600	366**	10300 / 3250 / 4180 / 14400
	4/8/02		8.4	188.88	slight odor	66700	583**	10200 / 2670 / 3840 / 13200
	7/9/02		10.55	186.73	slight odor	37100	303 (298)**	5340 / 890 / 2110 / 6920
	10/23/02		13.85	183.43	None	13300	322 (360)**	2420 / 216 / 922 / 1470
	10/15/03		12.38	184.9	None	11300	264 (322)**	2660 / 51 / 1180 / 1220
	2/2/04		8.8	188.48	None	21700	168 (200)**	2130 / 51 / 1030 / 2060
	4/23/04		8.4	188.88	Slight odor	30400	112 (203)**	3570 / 322 / 1620 / 4140
	7/19/04		10.3	186.98	Odor	28300	283 (373)**	2540 / 239 / 1320 / 2300
	10/22/04		10.25	187.03	Mod odor	13500	273 (229)**	1790 / 54 / 892 / 915
	1/21/05		6.65	190.63	Mod odor	278000	161 (163)**	5980 / 1030 / 2890 / 9070
	4/14/05		8.7	188.58	None	46100	155 (150)**	5170 / 787 / 2530 / 6010
	7/26/05		8.95	188.33	Mod odor	41000	ND (ND)**	5600 / 550 / 2600 / 4600
	10/14/05		10.92	186.36	Odor/sheen	13000	130	2900 / 100 / 1300 / 1200
	1/13/06		5.48	191.8	Odor	20000	ND<100	4900 / 490 / 2400 / 4200
	4/14/06		3.61	193.67	Odor	21000	ND<100	4000 / 740 / 2300 / 5100
	10/26/06		10.58	186.7	Odor	8200	68	1400 / 51 / 840 / 500
	1/30/07		10.98	186.3	Odor	17000	62	3200 / 150 / 2200 / 1800
	4/13/07		10.54	186.74	NM	19000	57	2000 / 85 / 1300 / 1100
	7/24/07		12.04	185.24	None	10000	84	1300 / 41 / 710 / 270
	4/21/08		8.01	189.27	None	17000	48	1800 / 100 / 1400 / 1300
	7/22/08		11.12	186.16	None	16000	100 <sup>1</sup>	1900 / 98 / 1600 / 741
	10/21/08		13.11	184.17	Odor/sheen	4900	65	700 / 20 / 370 / 52
	1/19/09		12.31	184.97	Odor	2500	90	167/8.49/114/50.3
4/27/09	9.01		188.27	Odor/sheen	21000	ND<0.5	1700/130/1100/1800	
10/27/09	10.52		186.76	Odor	7000	ND<0.5***	510/19/330/160	
10/14/2010	11.56		185.72	None	3200 <sup>2</sup>	35	460/16/230/110	
6/9/2011	7.67		189.61	Clear/Odor	9900	NA	1900/75/1100/1013	
<b>10/7/2011</b>	<b>10.42</b>	<b>189.86</b>	<b>Clear/Odor</b>	<b>9200<sup>4</sup></b>	<b>ND&lt;22</b>	<b>810/34/610/100</b>		
CRWQCB ESL - Nov 2007 (Revised May 2008)						<b>100</b>	<b>5</b>	<b>1.0 / 40 / 30 / 20</b>

Table Notes Following

**TABLE 1 (Cont.)**  
**Historical Groundwater Levels & Hydrocarbon Analytical Results**  
**5930 College Avenue, Oakland, CA**

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
MW-3	10/7/99	49.39*	9.67	39.72	None	6600	390	310 / 110 / 430 / 1000
	1/26/00	49.39*	5.4	43.99	None	3300	40	110 / 8 / 100 / 32
	10/25/00	49.39*	9.24	40.15	Slight odor	4500	ND	100 / 2 / 120 / 130
	2/2/01	49.39*	8.73	40.66	Slight odor	2900	35	35 / 3 / 160 / 298
	4/25/01	195.22	6.61	188.61	Slight odor	8400	56	260 / 33 / 290 / 510
	7/10/01		8.85	186.37	Slight odor	12000	35	39 / 10 / 690 / 1600
	10/8/01		9.75	185.47	Odor/sheen	4913	52	108 / 4 / 99 / 133
	1/7/02		4.25	190.97	Odor/sheen	7260	81.7**	723 / 138 / 492 / 887
	4/8/02		6.33	188.89	Odor	11700	ND**	540 / 108 / 706 / 1710
	7/9/02		8.56	186.66	Odor	2320	28.3 (20)**	37.1 / 4.7 / 98.5 / 187
	10/23/02		10.02	185.2	Odor/sheen	2830	ND (ND)**	46.8 / 4.7 / 43.6 / 65.5
	10/15/03		9.8	185.42	Odor/sheen	3040	ND (ND)**	91.3 / 8.4 / 69.9 / 148
	2/2/04		6.85	188.37	Odor/sheen	5140	ND (ND)**	126 / 8.7 / 134 / 238
	4/23/04		6.17	189.05	None	7210	ND (ND)**	227 / 39.5 / 448 / 879
	7/19/04		8.25	186.97	Slight odor	9860	ND (ND)**	20.4 / 3.2 / 30.6 / 117
	10/22/04		9.25	185.97	None	7420	96 (21)**	152 / 12.8 / 267 / 480
	1/21/05		5.22	190	Slight odor	2420	ND (ND)**	111 / 11.4 / 139 / 265
	4/14/05		6.64	188.58	Odor/sheen	5130	54 (41.4)**	357 / 19.4 / 287 / 510
	7/26/05		6.9	188.32	None	9800	ND (21)**	200 / 23 / 220 / 360
	10/14/05		8.83	186.39	Odor/sheen	6100	ND	76 / 19 / 170 / 350
	1/13/06		4.61	190.61	Odor	3900	24	380 / 17 / 230 / 300
	4/14/06		3.41	191.81	Odor	5000	69	760 / 44 / 230 / 190
	10/26/06		8.57	186.65	Odor	3100	17	120 / 9.8 / 55 / 54
	1/30/07		8.83	186.39	Odor	4500	ND<10	90 / 7.6 / 75 / 44
	4/13/07		8.57	186.65	NM	2800	ND<5	55 / 4.9 / 19 / 6.1
	7/24/07		9.98	185.24	None	4800	ND<5	140 / 8.3 / 66 / 22
	4/21/08		9.3	185.92	None	4300	ND<5	200 / 11 / 30 / 14
	7/22/08		9.05	186.17	None	2400	53 <sup>1</sup>	140 / 13 / 26 / 18.5
	10/21/08		11.12	184.1	Slight Odor	2900	2.2	170 / 9.2 / 99 / 25.8
	1/19/09		10.29	184.93	Odor	3600	ND<0.5	148/6.73/24.5/22.1
4/27/09	7.15		188.07	Odor/sheen	5800	8.8	370/12/82/84	
10/27/09	8.96		186.26	Odor	4900 <sup>2</sup>	ND<0.5***	130/8.5/89/130	
10/14/2010	9.76		185.46	None	2700 <sup>2</sup>	ND<4.4	270/11/290/399.2	
6/9/2011	5.92		189.3	Clear/Odor	3200 <sup>2</sup>	NA	220/ND<4.4/37/20	
10/7/2011	8.6	186.62	None	5400 <sup>2</sup>	ND<4.4	140/7.0/160/67		
CRWQCB ESL - Nov 2007 (Revised May 2008)						100	5	1.0 / 40 / 30 / 20

Table Notes Following

**TABLE 1 (Cont.)**  
**Historical Groundwater Levels & Hydrocarbon Analytical Results**  
**5930 College Avenue, Oakland, CA**

Well ID	Sample Date	Casing Elevation (ft, MSL)	Depth to GW (ft, TOC)	Water Elevation (ft, MSL)	Product Odor/ Sheen	TPH-G (ug/L)	MTBE (ug/L)	BTEX (ug/L)
PW-1	4/14/05	197.17	6.4	190.77	None	3360	ND (ND**)	62.8 / 6.7 / 79.5/ 317
	7/26/05		8.63	188.54	None	1300	ND (ND**)	22 / ND / 48 / 110
	10/14/05		10.71	186.46	None	4300	ND	93 / 1.2 / 100 / 140
	1/13/06		4.87	192.3	None	450	ND<2.0	10 / ND / 37 / 72
	4/14/06		2.27	194.9	Odor	120	ND<2.0	2.3 / ND<1.0 / 3.5 / 9.3
	10/26/06		10.3	186.87	Odor	2800	ND<10	61 / ND<5.0 / 130 / 34
	1/30/07		10.8	186.37	Odor	1200	ND<2	22 / ND<1.0 / 100 / 200
	4/13/07		10.31	186.86	NM	510	ND<1	6 / ND<0.5 / 30 / 56
	7/24/07		11.81	185.36	None	3400	ND<5	63 / ND<2.5 / 180 / 5.6
	4/21/08		9.08	188.09	None	300	ND<1	3 / ND<0.5 / 16 / 26
	7/22/08		9.83	187.34	None	710	3.1 <sup>1</sup>	9.3 / 1.2 <sup>1</sup> / 49 / 67.86
	10/21/08		12.9	184.27	None	1500 <sup>2</sup>	1	20 / ND<0.5 / 57 / 20
	1/19/09		12.11	185.06	Odor/sheen	1100 <sup>2</sup>	ND<0.5	12.3/ND<0.5/30.8/9.20
	4/27/2009		8.69	188.48	None	360 <sup>3</sup>	ND<0.5	2.7/ND<0.5/12/18
	10/27/2009		10.32	186.85	None	1100 <sup>2</sup>	ND<0.5	12/ND<0.5/36/34
	10/14/2010		11.38	185.79	None	860 <sup>3</sup>	ND<0.5	8.8/.55/44/44
6/9/2011	7.43	189.74	None	96 <sup>3</sup>	ND<0.5	ND<0.5/ND<0.5/3.1/2.5		
10/7/2011	9.79	187.38	None	260 <sup>5</sup>	ND<0.5	ND<0.5/ND<0.5/5.9/4.5		
<b>CRWQCB ESL - Nov 2007 (Revised May 2008)</b>						<b>100</b>	<b>5</b>	<b>1.0 / 40 / 30 / 20</b>

**NOTES:**

ft, MSL = feet Above Mean Sea Level

TOC = Top of Well Casing

GW = Depth to Groundwater in feet Below TOC

TPH-G = Total Petroleum Hydrocarbons as Gasoline

MTBE = Methyl Tertiary Butyl Ether

BTEX = Benzene / Toluene / Ethylbenzene / Total Xylenes

ug/L = micrograms per liter

ND = Not detected above laboratory reporting limit

<sup>1</sup> = Presence confirmed, but Relative Percentage Difference (RPD) between columns exceeds 40%

<sup>2</sup> = Sample exhibit chromatographic pattern that does not resemble standard; See laboratory report for additional information

<sup>3</sup> = Although TPH-gas compounds are present, value is elevated due to discrete peak (PCE) within C5-C12 range quantified as gasoline

<sup>4</sup> = Result is elevated due to contribution from heavy end hydrocarbons within C5-C12 range quantified as gasoline

<sup>5</sup> = Result is elevated due to contribution from heavy end hydrocarbons and discrete peak of non-fuel compound within C5-C12 range quantified as gasoline

\* = Arbitrary datum point with assumed elevation of 50 ft used prior to MSL survey on 4/ 25/01

\*\* = Concentration confirmed by EPA Method 8260

\*\* = Sample also analyzed for other Fuel oxygenates (EPA Method 8260); All results ND (See Lab Report)

CRWQCB/ESL = California Regional Water Quality Control Board's Interim Final - November 2007 (Revised May 2008), Tier 1 Environmental Screening Level for groundwater that **IS** a potential source of drinking water

**TABLE 2**  
**Historical Groundwater VOC Analytical Results in PW-1**  
**5930 College Avenue, Oakland, CA**

Well ID	Sample Date	IPB (ug/L)	n-PB (ug/L)	1,3,5-TMB (ug/L)	1,2,4-TMB (ug/L)	Sec-BB (ug/L)	n-BB (ug/L)	Naphthalene (ug/L)	TCE (ug/L)	MC (ug/L)	cis-1,2-DCE (ug/L)	Vinyl Chloride (ug/L)	PCE (ug/L)
<b>PW-1</b>	4/14/05	11	22	110	100	ND,10	ND<10	43	3.3	ND<25	12	ND<0.5	84.9
	7/26/05	7.3	17	37	100	ND<10	ND<10	43	ND<1	ND<10	7	ND<1	48
	10/14/05	28	72	67	120	12	17	43	4.1	ND<40	29	ND<1	25
	1/13/06	ND<20	ND<10	ND<10	37	ND<10	ND<10	ND<10	1.4	ND<40	5	ND<1	95
	4/14/06	ND<2	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	1.1	ND<40	2.8	ND<1	68
	10/26/06	ND<10	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	6.2	ND<200	32	ND<5.0	26
	1/30/07	ND<2	23	31	120	ND<10	ND<10	18	ND<1	ND<40	11	ND<1	29
	4/13/07	2.4	6.1	7	30	ND<5	ND<5	6.8	0.84	ND<20	4.7	ND<0.5	64
	7/24/07	ND<5.0	60	ND<25	ND<25	ND<25	ND<25	ND<25	ND<2.5	ND<100	58	ND<2.5	50
	4/21/08	1.1	ND<5	ND<5	15	ND<5	ND<5	ND<5	0.88	ND<20	3.7	ND<0.5	91
	7/22/08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/21/08	17	14	5	15	9.4	14	5.1	6.2	ND<10	56	0.6	44
	4/27/09	1.2	3.3	3.4	16	ND<0.5	ND<0.5	ND<1.0	1.4	ND<5.0	4	ND<0.5	120
	10/27/09	6	4.8	ND<0.5	15	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<5.0	35	ND<0.5	78
10/14/10	9.8	15	12	44	4.4	ND<0.5	4	5	ND<5.0	61	ND<0.5	35	
6/9/11	0.55	1.7	0.98	3.7	ND<0.5	ND<0.5	ND<1.0	0.85	ND<5.0	1.4	ND<0.5	86	
10/7/11	<b>0.79</b>	<b>1.8</b>	<b>0.99</b>	<b>3.8</b>	<b>ND&lt;0.5</b>	<b>0.68</b>	<b>1.2</b>	<b>0.63</b>	<b>ND&lt;5.0</b>	<b>2</b>	<b>ND&lt;0.5</b>	<b>76</b>	
<b>CRWQCB ESL</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>17</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>0.5</b>	<b>5</b>

**NOTES:**

VOC = Volatile Organic Compounds

IPB = Isopropylbenzene

n-PB = n-Propylbenzene

1,3,5-TMB = 1,3,5-Trimethylbenzene

1,2,4-TMB = 1,2,4-Trimethylbenzene

sec-BB = sec-Butylbenzene

n-BB = n-Butylbenzene

TCE = Trichloroethene

MC = Methylene Chloride

cis-1,2-DCE = cis-1,2-Dichloroethene

PCE = Tetrachloroethene

ug/l = micrograms per liter

ND = Not detected above laboratory reporting limit

NC = No Criteria Listed

NA = Not Analyzed

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