



August 16, 1995

**Chevron U.S.A. Products Company**  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Site Assessment & Remediation Group**  
Phone (510) 842-9500

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Former Gulf Service Station #0006  
460 Grand Avenue, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the Quarterly Groundwater Sampling Report dated July 14, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline and BTEX. Benzene concentrations were below method detection limits in all samples analyzed with the exception of C-3 at a concentration of 0.6 ppb. Depth to ground water was measured at approximately 4.6 to 7.2 feet below grade and the direction of flow is to the south.

Based on all historical data, it appears that the previously conducted excavation was successful in removing the majority of hydrocarbon impacted source material from the site. We believe it would be appropriate to establish a non attainment management plan for the residual plume in ground water, or possibly begin discussions regarding closure requirements. I will contact you within the next week to discuss these options.

If you have any questions or comments, please feel free to call me at (510) 842-8134.

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

A handwritten signature in cursive script, appearing to read "Mark A. Miller".

Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. Jon Robbins - CHVPK/V1156  
Ms. B.C. Owen

Mr. John C. Gibson  
Adams & Gibson  
160 Sansome Street, Suite 1200  
San Francisco, CA 94104-3718



# GETTLER-RYAN INC.

July 14, 1995

Mark Miller  
Chevron USA Products Company  
P.O. Box 5004  
San Ramon, CA 94583

Re: Former Gulf Service Station #0006  
460 Grand Avenue  
Oakland, CA  
Job #5208.80

Dear Mr. Miller:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan, Inc. (G-R). On June 5, 1995, field personnel were on-site to gauge and sample four wells (C-1 through C-4) at Former Gulf Service Station #0006 located at 460 Grand Avenue in Oakland, California.

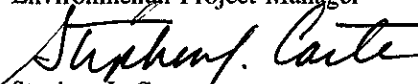
Static groundwater levels were measured on June 5, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

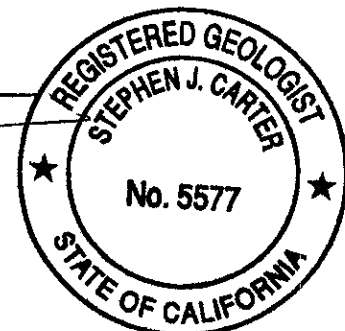
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Superior Precision Analytical, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are attached. G-R is not responsible for laboratory omissions or errors.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

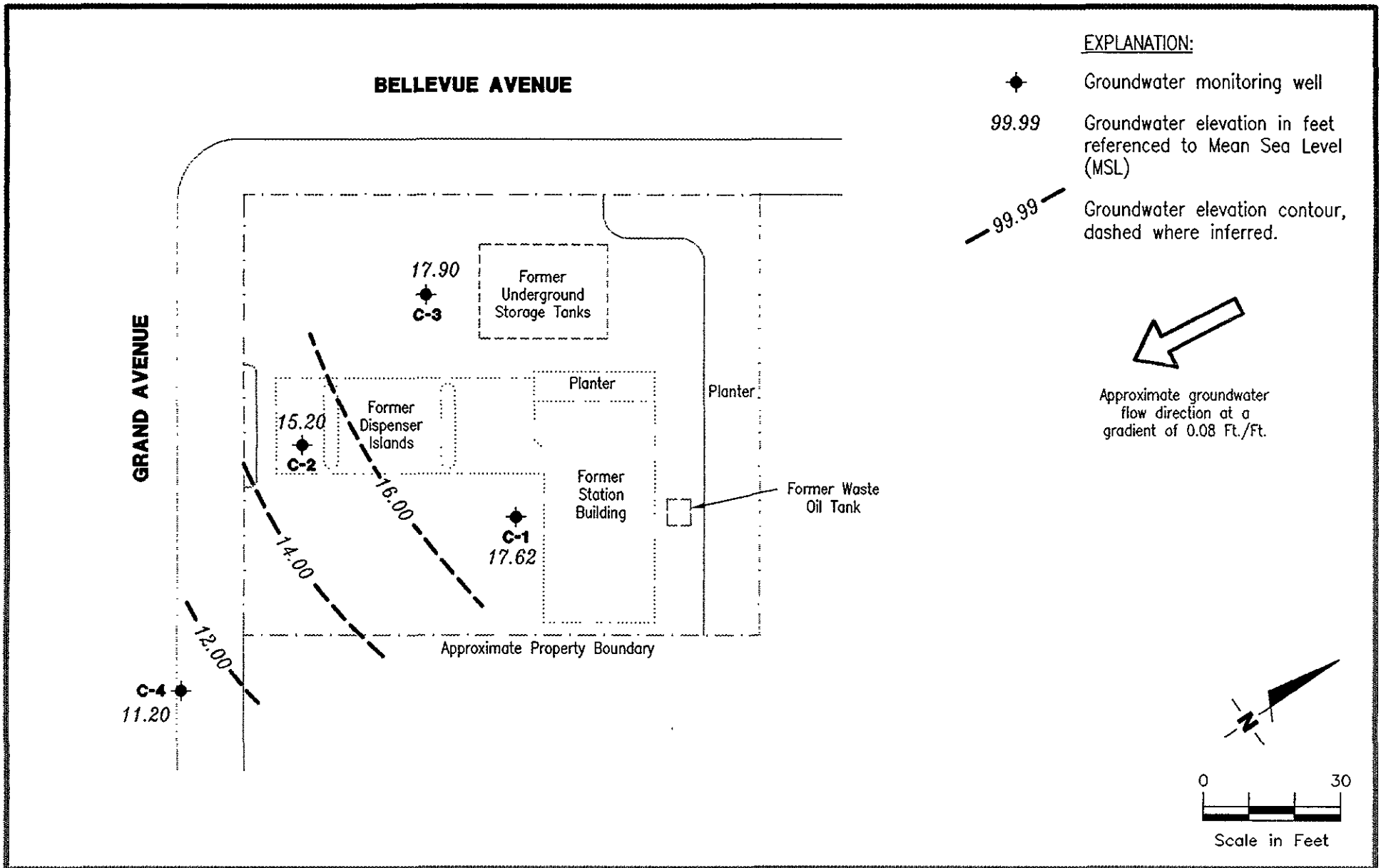
  
Argy Leyton  
Environmental Project Manager

  
Stephen J. Carter  
Senior Geologist, R.G. 5577



AML/SJC/rjb  
5208.QML

Figure 1: Potentiometric Map  
Table 1: Water Level Data and Groundwater Analytic Results  
Attachments: Standard Operating Procedure - Quarterly Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytic Report



**Gettler - Ryan Inc.**

6747 Sierra Ct., Suite J (510) 551-7555  
 Dublin, CA 94568

**POTENTIOMETRIC MAP**

Former Gulf Service Station No. 0006  
 460 Grand Avenue  
 Oakland, California

FIGURE

**1**

JOB NUMBER  
 5208.85

REVIEWED

*[Handwritten signature]*

DATE  
 June 5, 1995

REVISED DATE



Table 1. Water Level Data and Groundwater Analytic Results - Former Gulf Service Station #0006, 460 Grand Avenue, Oakland, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G) <span style="float:right">ppb</span>				
						B	T	E	X	
C-1/ 22.48 <sup>1</sup>	12/16/92	5.68	16.80	0	8015/8020 <sup>2,3,4,5</sup>	<50	<0.5	<0.3	<0.3	<0.4
	6/22/94	5.55	16.93	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/26/94	6.07	16.41	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/12/94	5.28	17.20	0	8015/8020	<50	2.9	3.8	<0.5	<0.5
	3/22/95	2.86	19.62	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/5/95	4.86	17.62 ↓	0	8015/8020	<50 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓
C-2/ 20.49 <sup>1</sup>	12/16/92	7.49	13.00	0	8015/8020 <sup>2,3,6,7</sup>	640	63	83	37	90
	6/22/94	5.48	15.01	0	8015/8020	200	2.8	4.5	1.5	15
	9/26/94	6.02	14.47	0	8015/8020	<50	1.1	1.1	<0.5	0.5
	12/12/94	5.17	15.32	0	8015/8020	77	2.8	4.6	3.4	15
	3/22/95	2.60	17.89	0	8015/8020	590	<0.5	<0.5	38	130
	6/5/95	5.29	15.20 ↓	0	8015/8020	<50 ↓ ✓	<0.5 ✓	<0.5 ✓	1.9 ✓	4.9 ✓
C-3/ 22.51 <sup>1</sup>	12/16/92	5.17	17.34	0	8015/8020 <sup>2,3,5,8</sup>	<50	<0.4	<0.3	<0.3	<0.4
	6/22/94	5.10	17.41	0	8015/8020	140	5.6	3	4.2	4.4
	9/26/94	5.66	16.85	0	8015/8020	51	4.2	4.2	0.7	1.5
	12/12/94	4.60	17.91	0	8015/8020	<50	2.6	3.6	1.1	4.2
	3/22/95	2.31	20.20	0	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	06/5/95	4.61	17.90 ↓	0	8015/8020	<50 ✓	0.6 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓
C-4/ 18.44 <sup>9</sup>	06/5/95	7.24	11.20	0	8015/8020	<50 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓	<0.5 ✓
Trip Blank TB-LB	6/22/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	9/26/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	12/12/94	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	3/22/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5
	6/5/95	---	---	---	8015/8020	<50	<0.5	<0.5	<0.5	<0.5



Table 1. Water Level Data and Groundwater Analytic Results - Former Gulf Service Station #0006, 460 Grand Avenue, Oakland, California  
(continued)

EXPLANATION:

DTW = Depth to water  
TOC = Top of casing elevation  
GWE = Groundwater elevation  
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline  
B = Benzene  
T = Toluene  
E = Ethylbenzene  
X = Xylenes  
ppb = Parts per billion  
— = Not analyzed/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)  
8020 = EPA Method 8020 for BTEX

NOTES:

Water level elevation data and laboratory analytic results prior to March 22, 1995 were compiled from Quarterly Monitoring Reports prepared for Chevron by Sierra Environmental Services.

NOTES: (continued)

- \* Product thickness was measured with an MMC flexi-dip interface probe on and after June 22, 1994.
- <sup>1</sup> TOC elevation is actually top of box elevation.
- <sup>2</sup> TPH(D) was also analyzed but not detected at detection limits of 50 ppb.
- <sup>3</sup> Motor oil was also analyzed but not detected at detection limits of 200 ppb.
- <sup>4</sup> Cadmium, chromium, lead, nickel and zinc were also analyzed but not detected at detection limits of 0.005, 0.01, 0.05, 0.02, and 0.01 ppm, respectively.
- <sup>5</sup> Analysis by EPA method 8010 for Halogenated Volatile Organic Compounds (HVOCs) was also performed. HVOCs were not detected at detection limits of 0.2 to 4.0 ppb.
- <sup>6</sup> Cadmium, chromium, lead, nickel and zinc were also analyzed. Chromium, Nickel and zinc were detected at 0.05, 0.08 and 0.08 ppm, respectively. Other metals not detected.
- <sup>7</sup> Analysis by EPA method 8010 for HVOCs was also performed. 1,2-Dichloroethane was detected at 3.5 ppb. Other HVOCs were not detected at detection limits of 0.2 to 4.0 ppb.
- <sup>8</sup> Cadmium, chromium, lead, nickel and zinc were also analyzed. Chromium, lead, nickel and zinc were detected at 0.19, 0.07, 0.36 and 0.38 ppm, respectively. Cadmium was not detected at detection limits of 0.005 ppm.
- <sup>9</sup> TOC for well C-4 was surveyed June 9, 1995 by Mission Engineers of Santa Clara, California.



## STANDARD OPERATING PROCEDURE QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan 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 a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytic 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, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory-supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.



WELL SAMPLING FIELD DATA SHEET

SAMPLER F1 Cline DATE 6-5-95

ADDRESS 460 Grand Ave JOB # 5208

CITY Oakland CA SS# 0006

Well ID C-1 Well Condition okay

Well Location Description okay North half of site ~ 30' from property line

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 14.96 ft

Depth to Liquid 4.86 ft

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

# of casing 3 x 10.10 x 0.11 ~~x 0.11~~ 0.172 # Estimated 6.1 gal. purge Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater NO If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 16:32 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time 16:40

Time	pH	Conductivity	Temperature	Volume
<u>16:33</u>	<u>7.76</u>	<u>288</u>	<u>67.9</u>	<u>1.8</u>
<u>16:34</u>	<u>7.65</u>	<u>616</u>	<u>67.1</u>	<u>3.6</u>
<u>16:35</u>	<u>7.65</u>	<u>606</u>	<u>67.0</u>	<u>5.4</u>
<u>16:40</u>	<u>7.68</u>	<u>616</u>	<u>67.1</u>	<u>6.0</u>

Weather Conditions Sunny clear

Water Color: Brown Odor: None

Sediment Description Light silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-1</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTXE</u>

Comments \_\_\_\_\_



WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-5-95  
 ADDRESS 460 Grand Ave JOB # 5208  
 CITY Oakland CA SS# 0006

Well ID C-2 Well Condition okay  
 Well Location Description Southern Border ~ 15' No of sidewalk

Well Diameter 2" in Hydrocarbon Thickness 0  
 Total Depth 24.48 ft  
 Depth to Liquid 5.29 ft

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

# of casing 3 x 49.19 x 0.117 (XVF) 30 # Estimated 9.8 gal.  
 Volume 1.6 'purge Volume

Purge Equipment Suction Sampling Equipment Bailer  
 Did well dewater NC If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 16:55 Purging Flow Rate \_\_\_\_\_ gpm.  
 Sampling Time 17:03

Time	pH	Conductivity	Temperature	Volume
<u>16:56</u>	<u>8.13</u>	<u>694</u>	<u>73.2</u>	<u>3.3</u> <u>1.6</u>
<u>16:57</u>	<u>7.63</u>	<u>658</u>	<u>70.2</u>	<u>6.6</u> <u>3.2</u>
<u>16:58</u>	<u>7.67</u>	<u>654</u>	<u>70.3</u>	<u>9.9</u> <u>4.8</u>
<u>17:03</u>	<u>7.64</u>	<u>656</u>	<u>70.2</u>	<u>10.5</u> <u>5.5</u>

Weather Conditions Sunny clear  
 Water Color: Brown Odor: MH  
 Sediment Description Light silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-2</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HLL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments \_\_\_\_\_





### WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-5-95  
 ADDRESS 460 Grand Ave JOB # 5208  
 CITY Oakland CA SS# 0006

Well ID C-3 Well Condition okay  
 Well Location Description Western edge of property ≈ 15' from fence

Well Diameter 2" in Hydrocarbon Thickness 0  
 Total Depth 14.80 ft  
 Depth to Liquid 4.61 ft

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

# of casing 3 x (10) 1 1/2 x 0.117 ~~x 1.73~~ Estimated Volume 612 gal.

Purge Equipment Suction Sampling Equipment Bailer  
 Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 17:07 Purging Flow Rate 1.8 gpm.  
 Sampling Time 17:14

Time	pH	Conductivity	Temperature	Volume
<u>17:08</u>	<u>7.50</u>	<u>722</u>	<u>71.6</u>	<u>1.8</u>
<u>17:09</u>	<u>7.55</u>	<u>712</u>	<u>69.6</u>	<u>3.6</u>
<u>17:10</u>	<u>7.56</u>	<u>711</u>	<u>69.7</u>	<u>5.4</u>
<u>17:14</u>	<u>7.58</u>	<u>715</u>	<u>69.7</u>	<u>6.0</u>

Weather Conditions Sunny clear  
 Water Color: Grey Odor: None  
 Sediment Description light silty

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-3</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Superior</u>	<u>Gas BTEX</u>

Comments \_\_\_\_\_



### WELL SAMPLING FIELD DATA SHEET

SAMPLER F. Cline DATE 6-5-95

ADDRESS 460 Grand Ave JOB # 5208

CITY Oakland CA SS# 0006

Well ID C-9 Well Condition okay

Well Location Description offsite SW Corner in Parking Area SW of site

Well Diameter 2" in Hydrocarbon Thickness 0

Total Depth 19.80 ft

Depth to Liquid 7.24 ft

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

# of casing 3 x (12.56) x 0.17 x 2.1 # Estimated 6.9 gal. Volume

Purge Equipment Suction Sampling Equipment Bailer

Did well dewater No If yes, Time \_\_\_\_\_ Volume \_\_\_\_\_

Starting Time 4:18 Purging Flow Rate \_\_\_\_\_ gpm.

Sampling Time 16:25

Time	pH	Conductivity	Temperature	Volume
<u>4:19</u>	<u>8.40</u>	<u>874</u>	<u>69.1</u>	<u>2.2</u>
<u>4:20</u>	<u>8.37</u>	<u>858</u>	<u>69.6</u>	<u>4.4</u>
<u>4:21</u>	<u>8.32</u>	<u>857</u>	<u>69.5</u>	<u>6.6</u>
<u>4:25</u>	<u>8.34</u>	<u>855</u>	<u>69.4</u>	<u>7.0</u>

Weather Conditions Sunny clear

Water Color: Clear Odor: None

Sediment Description None

### LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>C-9</u>	<u>3x40ml VOA</u>	<u>Y</u>	<u>HCL</u>	<u>Supervision</u>	<u>Gas BTEX</u>

Comments \_\_\_\_\_

11.86 14.86 529 24.48 11.61 14.80

81814

Chevron U.S.A. Inc.  
P.O. BOX 5004  
San Ramon, CA 94583  
FAX (415)842-9591

Chevron Facility Number 0006  
Facility Address 460 Grand Ave Oakland CA  
Consultant Project Number 5208.85  
Consultant Name Gettler-Ryan  
Address 6747 Sierra Ct, Ste J, Dublin 94568  
Project Contact (Name) Argy Leyton  
510 (Phone) 551-7555 510 (Fax Number) 551-7888

Chevron Contact (Name) Mark Miller  
(Phone) 842-8134  
Laboratory Name Superior  
Laboratory Release Number 2719070  
Samples Collected by (Name) Frank Cline  
Collection Date 6-5-95  
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed										Remarks	
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
TB-03		2	W	FB	-	HCL	Y	X											Analyze
C-4		3		G	1625														
C-1					1640														
C-3					1714														
C-2					1703														

DO NOT BILL  
TB-LB ANALYSIS

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>6-6-95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>6-6-95</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>6-6-95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>6-6-95</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>6/6/95</u>	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>6/6/95</u>	

6/6/95



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
6747 SIERRA CT, SUITE G  
DUBLIN, CA 94568

Date: June 20, 1995

Attn: ARGY LEYTON

Laboratory Number : 81814

Project Number/Name : 5208.85

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This report has been reviewed and  
approved for release.

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CAHOM for.  
Senior Chemist  
Account Manager

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Certified Laboratories

825 Arnold Dr., Suite 114  
Martinez, California 94553  
(510) 229-1512 / fax (510) 229-1526

1555 Burke St., Unit I  
San Francisco, California 94124  
(415) 647-2081 / fax (415) 821-7123

309 S. Cloverdale St., Suite B-24  
Seattle, Washington 98108  
(206) 763-2992 / fax (206) 763-8429



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
Attn: ARGY LEYTON

Project 5208.85  
Reported on June 20, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE  
by EPA SW-846 5030/8015M/8020  
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 81814

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
TB-LB	06/05/95	06/06/95	06/12/95	06/12/95	BF121.04	01
C-4	06/05/95	06/06/95	06/12/95	06/12/95	BF121.04	02
C-1	06/05/95	06/06/95	06/12/95	06/12/95	BF121.04	03
C-3	06/05/95	06/06/95	06/12/95	06/12/95	BF121.04	04
C-2	06/05/95	06/06/95	06/12/95	06/12/95	BF121.04	05

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
BF121.04-01	Method Blank	MB	Water	06/12/95	06/12/95
BF121.04-02	EW-03	MS 81764-07	Water	06/12/95	06/12/95
BF121.04-03	EW-03	MSD 81764-07	Water	06/12/95	06/12/95

Certified Laboratories

825 Arnold Dr., Suite 114  
Martinez, California 94553  
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309 S. Cloverdale St., Suite B-24  
Seattle, Washington 98108  
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# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
Attn: ARGY LEYTON

Project 5208.85  
Reported on June 20, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE  
by EPA SW-846 5030/8015M/8020  
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil. Factor	Moisture
81814-01	TB-LB	Water	1.0	-
81814-02	C-4	Water	1.0	-
81814-03	C-1	Water	1.0	-
81814-04	C-3	Water	1.0	-

## RESULTS OF ANALYSIS

Compound	81814-01		81814-02		81814-03		81814-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Gasoline_Range	ND	50	ND	50	ND	50	ND	50
Benzene	ND	0.5	ND	0.5	ND	0.5	0.6	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5	ND	0.5	ND	0.5

>> Surrogate Recoveries (%) <<

Trifluorotoluene (SS)	107	105	104	104
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# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
Attn: ARGY LEYTON

Project 5208.85  
Reported on June 20, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE  
by EPA SW-846 5030/8015M/8020  
Gasoline Range quantitated as all compounds from C6-C10

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
81814-05	C-2	Water	1.0	-

## R E S U L T S   O F   A N A L Y S I S

Compound	81814-05
	Conc. RL
	ug/L

Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	1.9	0.5
Total Xylenes	4.9	0.5

>> Surrogate Recoveries (%) <<  
Trifluorotoluene (SS)      103



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Gasoline Range Petroleum Hydrocarbons and BTXE  
by EPA SW-846 5030/8015M/8020  
Gasoline Range quantitated as all compounds from C6-C10

## Quality Assurance and Control Data

Laboratory Number: 81814  
Method Blank(s)

BF121.04-01

Conc. RL  
ug/L

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Gasoline_Range	ND	50
Benzene	ND	0.5
Toluene	ND	0.5
Ethyl Benzene	ND	0.5
Total Xylenes	ND	0.5

>> Surrogate Recoveries (%) <<  
Trifluorotoluene (SS) 103





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Gasoline Range Petroleum Hydrocarbons and BTXE  
by EPA SW-846 5030/8015M/8020  
Gasoline Range quantitated as all compounds from C6-C10

## Quality Assurance and Control Data

Laboratory Number: 81814

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
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For Water Matrix (ug/L)  
BF121.04 02 / 03 - Sample Spiked: 81764 - 07

Gasoline_Range	ND	320	350/350	109/109	65-135	0
Benzene	ND	20	22/22	110/110	65-135	0
Toluene	ND	20	21/21	105/105	65-135	0
Ethyl Benzene	ND	20	21/21	105/105	65-135	0
Total Xylenes	ND	60	63/63	105/105	65-135	0

>> Surrogate Recoveries (%) <<  
Trifluorotoluene (SS)

104/103 50-150

### Definitions:

ND = Not Detected  
 RL = Reporting Limit  
 NA = Not Analysed  
 RPD = Relative Percent Difference  
 ug/L = parts per billion (ppb)  
 mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)  
 mg/kg = parts per million (ppm)

### Certified Laboratories

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