

ENVIRONMENTAL

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**Chevron**

May 24, 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 April 27, 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. Depth to ground water was measured at approximately 2.3 to 2.9 feet below grade and the direction of flow is to the south.

Pacific Environmental Group has recently completed the off site investigation. Due to the presence of off-site utilities, only the permanent monitor well was installed. We will forward a report documenting the results of the field investigation to your office shortly. Chevron will continue to monitor and sample this site on a quarterly basis.

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 black ink, 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

File: GULF6Q4



# GETTLER-RYAN INC.

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April 27, 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 (G-R) personnel. On March 22, 1995, field personnel were on-site to gauge and sample three wells (C-1, C-2 and C-3) at Former Gulf Service Station #0006 located at 460 Grand Avenue in Oakland, California.

Static groundwater levels were measured on March 22, 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.

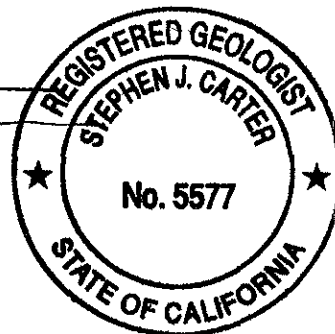
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Quarterly Groundwater Sampling (attached). The field data sheets for this event are also attached. The samples were analyzed by Superior Precision Analytical, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are enclosed. 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.

Respectfully submitted,

Argy Leyton  
Environmental Project Manager

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



AML/SJC/aml  
5208.QML

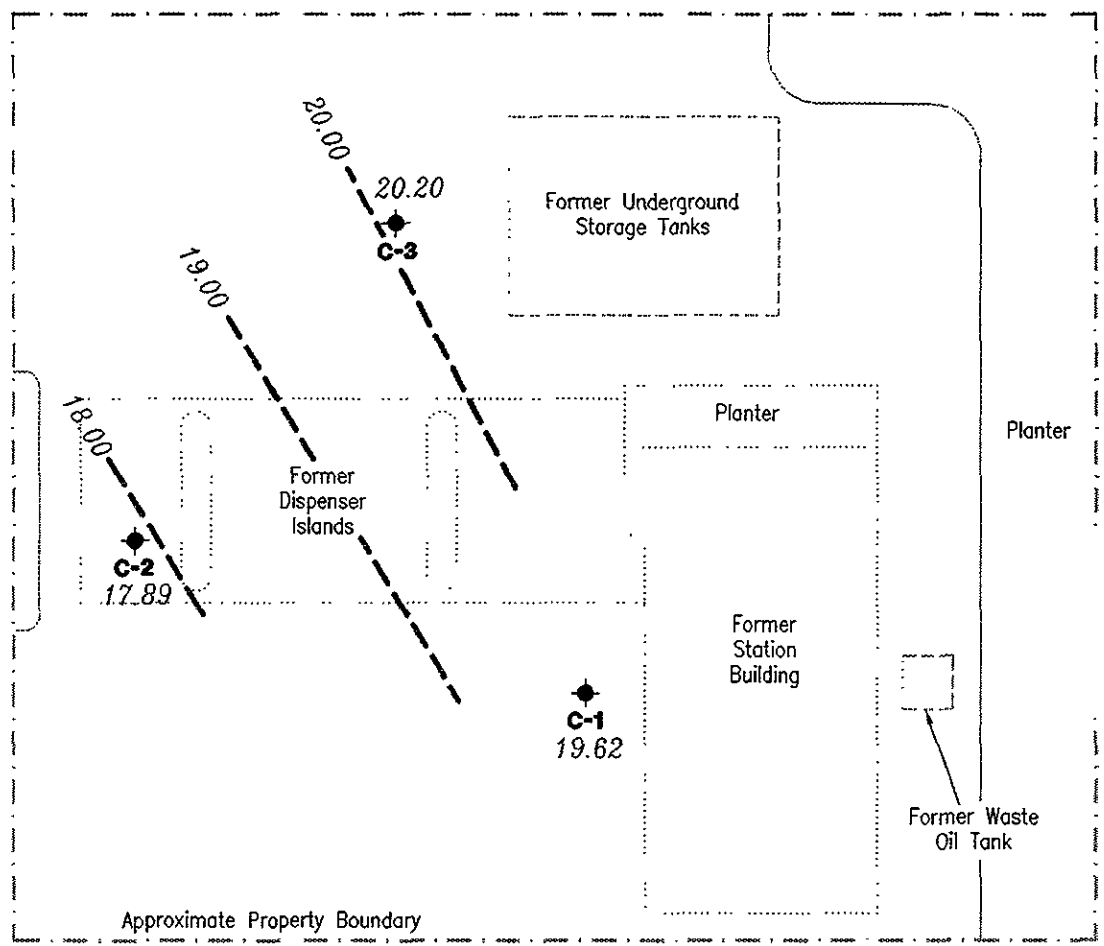
Plate 1: Potentiometric Map  
Table 1: Water Level Data and Groundwater Analytic Results  
Attachments: Standard Operating Procedure  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytic Reports

**BELLEVUE AVENUE**

**GRAND AVENUE**

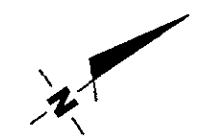
**EXPLANATION:**

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



Approximate groundwater flow direction at a gradient of 0.06 Ft./Ft.

*map*



Scale in Feet



**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  
5208.80

REVIEWED BY *[Signature]*

DATE  
3/22/95

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) <i>ppb</i>				
						B	T	E	X	
C-1/ 22.48'	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
C-2/ 20.49'	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
C-3/ 22.51'	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
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

*data*



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 data and analytic results prior to June 22, 1994 were compiled from the subsurface investigation report prepared for Chevron by Pacific Environmental Group, January 15, 1993.

NOTES: (continued)

Analytic Methods prior to 1994 are assumed to be 8015/8020.

- \* 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.



## 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.

# GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING  
FIELD DATA SHEET

COMPANY Chevron #0006 JOB # 5208-80  
LOCATION 460 Grand Ave DATE 3-22-95  
CITY OAKLAND, CA. TIME \_\_\_\_\_

Well ID. C-1 Well Condition Good

Well Diameter 2 in. Hydrocarbon Thickness \_\_\_\_\_ ft.

Total Depth 14.6 ft.

Depth to Liquid- 2.86 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 11.74 x (VF) 0.17 = (Estimated Purge Volume) 1.99 5.97 gal.

Purging Equipment Stack Pump

Sampling Equipment Disposable BAILERS

Starting Time 1435 Purging Flow Rate 1.25 gpm.

(Estimated Purge Volume) \_\_\_\_\_ gal. / (Purging Flow Rate) \_\_\_\_\_ gpm. = (Anticipated Purging Time) \_\_\_\_\_ min.

Time	pH	Conductivity	Temperature	Volume
<u>1437</u>	<u>6.4</u>	<u>800</u>	<u>61.9</u>	<u>2</u>
<u>1439</u>	<u>6.3</u>	<u>790</u>	<u>61.0</u>	<u>4</u>
<u>1442</u>	<u>6.3</u>	<u>730</u>	<u>62.0</u>	<u>6</u>

Did well dewater? \_\_\_\_\_ If yes, time \_\_\_\_\_ Volume \_\_\_\_\_

Sampling Time 1444 Weather Conditions Raining

Analysis GAS - BTEX Bottles Used VOA

Chain of Custody Number \_\_\_\_\_

COMMENTS \_\_\_\_\_

FOREMAN R. NEAL ASSISTANT \_\_\_\_\_

# GETTLER-RYAN INC.

General and Environmental Contractors

## WELL SAMPLING FIELD DATA SHEET

COMPANY CHEVRON 0006 JOB # 5208.80  
LOCATION 460 GRAND AVE DATE 22 MAR 95  
CITY OAKLAND, CA. TIME \_\_\_\_\_

Well ID. C-2 Well Condition Flooded

Well Diameter 2 in. Hydrocarbon Thickness \_\_\_\_\_ ft.

Total Depth 14.2 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

Depth to Liquid- 2.60 ft.

(# of casing volumes) 3 x 1160 x(VF) .87 = (Estimated Purge Volume) 1.97 5.91 gal.

Purging Equipment \_\_\_\_\_

Sampling Equipment \_\_\_\_\_

Starting Time 1450 Purging Flow Rate 1.25 gpm.  
(Estimated Purge Volume) \_\_\_\_\_ gal. / (Purging Flow Rate) \_\_\_\_\_ gpm. = (Anticipated Purging Time) \_\_\_\_\_ min.

Time	pH	Conductivity	Temperature	Volume
<u>1452</u>	<u>6.3</u>	<u>660</u>	<u>60.9</u>	
<u>1454</u>	<u>6.3</u>	<u>580</u>	<u>61.7</u>	
<u>1456</u>	<u>6.3</u>	<u>570</u>	<u>61.2</u>	

Did well dewater? \_\_\_\_\_ If yes, time \_\_\_\_\_ Volume \_\_\_\_\_

Sampling Time 1458 Weather Conditions RAINING

Analysis GAS BTEX Bottles Used VOA

Chain of Custody Number \_\_\_\_\_

COMMENTS \_\_\_\_\_

FOREMAN R. NEAL ASSISTANT \_\_\_\_\_



# GETTLER-RYAN INC.

General and Environmental Contractors

## WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron 0006 JOB # 5208.80  
LOCATION 460 GRAND AVE DATE 22 MARCH 95  
CITY OAKLAND, CA. TIME \_\_\_\_\_

Well ID. C-3 Well Condition Good

Well Diameter 2 in. Hydrocarbon Thickness \_\_\_\_\_ ft.

Total Depth 14.6 ft.

Depth to Liquid- 2.31 ft.

Volume Factor (VF)	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 12.29 x (VF) .17 = (Estimated Purge Volume) <sup>2.08</sup> 6.24 gal.

Purging Equipment Stack pump

Sampling Equipment Disposable Bailor

Starting Time 1424 Purging Flow Rate 1.25 gpm.  
(Estimated Purge Volume) \_\_\_\_\_ gal. / (Purging Flow Rate) \_\_\_\_\_ gpm. = (Anticipated Purging Time) \_\_\_\_\_ min.

Time	pH	Conductivity	Temperature	Volume
<u>1426</u>	<u>6.5</u>	<u>660</u>	<u>60.0</u>	<u>2</u>
<u>1428</u>	<u>6.4</u>	<u>670</u>	<u>60.5</u>	<u>4</u>
<u>1430</u>	<u>6.5</u>	<u>630</u>	<u>60.9</u>	<u>6</u>

Did well dewater? 1431 If yes, time \_\_\_\_\_ Volume \_\_\_\_\_

Sampling Time \_\_\_\_\_ Weather Conditions Raining

Analysis GAS - BTEX Bottles Used VOA

Chain of Custody Number \_\_\_\_\_

COMMENTS \_\_\_\_\_

FOREMAN R. NEAL ASSISTANT \_\_\_\_\_

80940

Chevron Facility Number 0006  
 Facility Address 460 GRAND AVE  
 Consultant Project Number 5208-80  
 Consultant Name A GETTIER- RYAN  
 Address 6747 SIERRA Ct. SUITE J  
 Project Contact (Name) Argy LEYTON  
 (Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name) MARK MILLER  
 (Phone) 842-8134  
 Laboratory Name SUPERIOR  
 Laboratory Release Number 2719070  
 Samples Collected by (Name) RON NEAL  
 Collection Date 22 March 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	Iced (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)					
C-3	B	3	W	G	1424	HCL	Y	X												
C-1					1444			X												
C-2					145R			X												
TB-LB	A	2	W	G	-			X												

NOTE:  
 Do NOT BILL  
 TB-LB SAMPLES

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>GR</u>	Date/Time <u>10:45 3/24/95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>AERO 600</u>	Date/Time <u>10:45 3-24-95</u>	Turn Around Time (Circle Choice) <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days <input checked="" type="checkbox"/> <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>AERO</u>	Date/Time <u>3/24/95</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>AERO 609</u>	Date/Time <u>3/24/95 1201</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Aero</u>	Date/Time <u>3/24/95</u>	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>3/24/95</u>	



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

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

Attn: ARGY LEYTON

Laboratory Number : 80940

Date: March 31, 1995

GETTLER RYAN INC.  
GENERAL CONTRACTORS

Project Number/Name : 5208.80

This report has been reviewed and  
approved for release.

Christine Horn for  
Senior Chemist  
Account Manager

Certified Laboratories

825 Arnold Dr., Suite 114  
Martinez, California 94553  
1510) 229-1512 / fax 1510) 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) 762-2992 / fax 206) 762-8479



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
Attn: ARGY LEYTON

Project 5208.80  
Reported on March 31, 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 80940

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
c-3	03/22/95	03/24/95	03/30/95	03/30/95	BC301.05	01
c-1	03/22/95	03/24/95	03/30/95	03/30/95	BC301.05	02
c-2	03/22/95	03/24/95	03/30/95	03/30/95	BC301.05	03
TB-LB	03/22/95	03/24/95	03/30/95	03/30/95	BC301.05	04

### QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BC301.05-01	Method Blank	MB		Water	03/30/95	03/30/95
BC301.05-02	MW-7	MS	80928-01	Water	03/30/95	03/30/95
BC301.05-03	MW-7	MSD	80928-01	Water	03/30/95	03/30/95

### Certified Laboratories

825 Arnold Dr., Suite 114  
Martinez, California 94553  
(510) 779-1512 / fax (510) 779-1526

1555 Burke St., Unit I  
San Francisco, California 94124  
(415) 647-2081 / fax (415) 871-7173

309 S. Cloverdale St., Suite B-24  
Seattle, Washington 98108  
(206) 763-2992 / fax (206) 763-8479



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.  
Attn: ARGY LEYTON

Project 5208.80  
Reported on March 31, 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
80940-01	c-3	Water	1.0	-
80940-02	c-1	Water	1.0	-
80940-03	c-2	Water	1.0	-
80940-04	TB-LB	Water	1.0	-

## RESULTS OF ANALYSIS

Compound	80940-01		80940-02		80940-03		80940-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/L		ug/L		ug/L		ug/L	
Gasoline_Range	ND	50	ND	50	590	50	ND	50
Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5	38	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5	130	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	101		100		97		104	



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

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: 80940  
Method Blank(s)

BC301.05-01  
Conc. RL  
ug/L

---

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) 102



# Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

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: 80940

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
BC301.05 02 / 03 - Sample Spiked: 80928 - 01						
Gasoline_Range	ND	360	310/320	86/89	65-135	3
Benzene	ND	20	20/21	100/105	65-135	5
Toluene	ND	20	20/21	100/105	65-135	5
Ethyl Benzene	ND	20	20/21	100/105	65-135	5
Total Xylenes	ND	60	62/62	103/103	65-135	0
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				97/99	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)