



FACSIMILE COVER SHEET

CHEVRON U.S.A. PRODUCTS COMPANY  
MARKETING - NORTHWEST REGION



Mailing Address : Chevron U.S.A. Products Company  
P.O. Box 5004  
San Ramon, CA 94583-0804  
(Street - 2410 Camino Ramon)

Date: DECEMBER 17, 1992 Fax Number: 569-4757

To: JENNIFER EBERLE - ALAMEDA COUNTY

From:	Phone Number	Room / Building
<u>MARK A. MILLER</u>	<u>842-8134</u>	

Subject: FORMER GULF # 0000

Remarks: HERE'S THE DATA FROM THE SOIL SAMPLES TAKEN DURING DRILLING. SORRY FOR THE LACK OF CLARITY, BY THE TIME THIS DATA REACHES YOUR DESK, IT'S BEEN FAXED THREE TIMES. I BELIEVE SAMPLES DESIGNATED C-1 WERE TAKEN FROM PROPOSED BORING MW-1, ETC. EB-1 WAS TAKEN FROM SB-2. THE SUMMARY REPORT WILL ~~BETTER~~ CLARIFY THIS BETTER.

GROUND WATER DATA IS EXPECTED LATE TODAY OR EARLY TOMORROW.

Number of Pages Including Cover Sheet 12

To Reply By Facsimile - Dial (510) 842-9591

12/17/92 13:35  
Western Operations (510) 642 6252  
1251 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

December 16, 1992

Mr. Dan Madsen  
PACIFIC ENVIRONMENTAL GROUP  
620 Contra Costa Blvd. Ste. 209  
Pleasant Hill, CA 94523

Client Ref. GULF 0006/325-31.01  
Clayton Project No. 92122.02

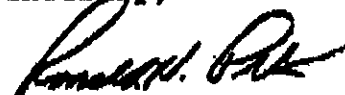
Dear Mr. Madsen:

Attached is our analytical laboratory report for the samples received on December 15, 1992. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Silvera, Client Services Supervisor, at (510) 426-2657.

Sincerely,

  
Ronald H. Peters, CIH  
Director, Laboratory Services  
Western Operations

RHP/ean  
Attachments

Results of Analysis  
for  
Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification: C-1 5-6 1/2 *from MW1* Date Sampled: 12/14/92  
Lab Number: 9212202-01A Date Received: 12/15/92  
Sample Matrix/Media: SOIL Date Prepared: 12/15/92  
Preparation Method: EPA 5030 Date Analyzed: 12/15/92  
Analytical Method: EPA 8015/8020

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b>BTEX/Gasoline</b>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	0.024	0.005
p,m-Xylenes	---	ND	0.005
o-Xylene	95-47-6	0.012	0.005
Gasoline	---	8.6g	0.3

Surrogates	Recovery (%)	QC Limits (%)	
		LCL	UCL
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND Not detected at or above limit of detection  
-- Information not available or not applicable  
Results are reported on a wet weight basis, as received

a Purgeable hydrocarbons quantitated as gasoline do not match typical gasoline pattern

Results of Analysis for Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01 Clayton Project No. 92122.02

Sample Identification: C-1 81/2-10 Date Sampled: 12/14/92
Lab Number: 9212202-02A Date Received: 12/15/92
Sample Matrix/Media: SOIL Date Prepared: 12/15/92
Preparation Method: EPA 8030 Date Analyzed: 12/15/92
Analytical Method: EPA 8015/8020

Table with columns: Analyte, CAS #, Concentration (mg/kg), Limit of Detection (mg/kg). Rows include BTEX/Gasoline (Benzene, Toluene, Ethylbenzene, p,m-Xylenes, o-Xylene, Gasoline) and Surrogates (a,a,a-Trifluorotoluene).

ND Not detected at or above limit of detection
-- Information not available or not applicable
Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification: C-2 5-6 1/2  
Lab Number: 9212202-03A  
Sample Matrix/Media: SOIL  
Preparation Method: EPA 8030  
Analytical Method: EPA 8015/8020  
Date Sampled: 12/14/92  
Date Received: 12/15/92  
Date Prepared: 12/15/92  
Date Analyzed: 12/16/92  
MW-2

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b>BTEX/Gasoline</b>			
Benzene	71-43-2	13	0.005
Toluene	108-88-3	80	0.005
Ethylbenzene	100-41-4	83	0.005
p,m-Xylenes	---	330	0.005
o-Xylene	95-47-6	110	0.005
Gasoline	---	2,300	0.3
<b>Surrogates</b>		<b>Recovery (%)</b>	<b>QC Limits (%)</b> LCL UCL
a,a,a-Trifluorotoluene	98-08-6	104	50 - 150

ND Not detected at or above limit of detection  
-- Information not available or not applicable  
Results are reported on a wet weight basis, as received

**Results of Analysis  
for  
Chevron U.S.A., Inc./Pacific Environmental Group, Inc.**

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification:	C-2 81/2-10	Date Sampled:	12/14/92
Lab Number:	9212202-04A	Date Received:	12/15/92
Sample Matrix/Media:	SOIL	Date Prepared:	12/15/92
Preparation Method:	EPA 5030	Date Analyzed:	12/16/92
Analytical Method:	EPA 8015/8020		

*MW2*

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTX/Gasoline</u></b>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.006	0.005
Ethylbenzene	100-41-4	ND	0.005
p,x-Xylenes	---	0.012	0.005
o-Xylene	95-47-6	0.005	0.005
Gasoline	---	ND	0.3
<b><u>Surrogates</u></b>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u> LCL UCL
a,a,a-Trifluorotoluene	98-08-8	104	50 - 150

ND Not detected at or above limit of detection  
 -- Information not available or not applicable  
 Results are reported on a wet weight basis, as received

Results of Analysis  
for

Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification: C-3 5-6 1/2  
 Lab Number: 9212202-05A  
 Sample Matrix/Media: SOIL  
 Preparation Method: EPA 8030  
 Analytical Method: EPA 8015/8020

NW 3

Date Sampled: 12/15/92  
 Date Received: 12/15/92  
 Date Prepared: 12/15/92  
 Date Analyzed: 12/15/92

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTEX/Gasoline</u></b>			
Benzene	71-43-2	0.008	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	0.012	0.005
p,x-Xylenes	---	ND	0.005
o-Xylene	95-47-6	ND	0.005
Gasoline	---	0.6	0.3
<b><u>Surrogates</u></b>			
		<b><u>Recovery (%)</u></b>	<b><u>QC Limits (%)</u></b>
a,a,a-Trifluorotoluene	98-08-8	109	ECL UCL 50 - 150

ND Not detected at or above limit of detection  
 -- Information not available or not applicable  
 Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification: C-3 81/2-10  
Lab Number: 9212202-05A  
Sample Matrix/Media: SOIL  
Preparation Method: EPA 8030  
Analytical Method: EPA 8015/8020  
Date Sampled: 12/15/92  
Date Received: 12/15/92  
Date Prepared: 12/15/92  
Date Analyzed: 12/15/92

MW3

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b>BTEX/Gasoline</b>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
p,m-Xylenes	---	ND	0.005
o-Xylene	95-47-6	ND	0.005
Gasoline	---	ND	0.3

Sulfonates	CAS #	Recovery (%)	QC Limits (%)	
			LCL	UCL
m,m,m-Trifluorotoluene	98-08-8	104	50	150

ND Not detected at or above limit of detection  
-- Information not available or not applicable  
Results are reported on a wet weight basis, as received



Results of Analysis  
for  
Chevron U.S.A., Inc./Pacific Environmental Group, Inc.

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification: EB-1) 61/2-7 6.5-7  
Lab Number: 9212202-07A  
Sample Matrix/Media: SOIL  
Preparation Method: EPA 5030  
Analytical Method: EPA 8015/8020  
Date Sampled: 12/15/92  
Date Received: 12/15/92  
Date Prepared: 12/15/92  
Date Analyzed: 12/16/92

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTX/Gasoline</u></b>			
Benzene	71-43-2	0.094	0.005
Toluene	108-88-3	0.30	0.005
Ethylbenzene	100-41-4	0.16	0.005
p,m-Xylenes	---	0.50	0.005
o-Xylene	95-47-6	0.23	0.005
Gasoline	---	3.3	0.3
<b><u>Surrogates</u></b>			
		Recovery (%)	QC Limits (%) LCL UCL
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND Not detected at or above limit of detection  
-- Information not available or not applicable  
Results are reported on a wet weight basis, as received

**Results of Analysis**  
for  
**Chevron U.S.A., Inc./Pacific Environmental Group, Inc.**

Client Reference: GULF 0006/325-31.01  
Clayton Project No. 92122.02

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9212202-08A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	12/15/92
Preparation Method:	EPA 5030	Date Analyzed:	12/13/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTX/Gasoline</u></b>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
p,m-Xylenes	---	ND	0.005
o-Xylene	95-47-6	ND	0.005
Gasoline	---	ND	0.3

<u>SURROGATES</u>	CAS #	Recovery (%)	QC Limits (%)	
			LCL	UCL
m,m,m-Trifluorotoluene	98-08-8	104	50	150

ND Not detected at or above limit of detection  
 -- Information not available or not applicable  
 Results are reported on a wet weight basis, as received

Quality Assurance Results Summary  
for  
Clayton Project No. 92122.02

Clayton Lab Number: 9212177-02A  
 Ext./Prep. Method: EPA 5030  
 Date: 12/15/92  
 Analyst: PF  
 Sed. Source: V821185-02W  
 Sample Matrix/Unit: SOIL

Analytical Method: EPA8215-8220  
 Instrument ID: 05987  
 Date: 12/15/92  
 Time: 19:45  
 Analyst: PF  
 Units: mg/kg

Analyte		Sample Result	Spike Limit	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	SPD (% R)	UCL (NR/PB)
BENZENE	(PID)	ND	0.0150	0.0105	70	0.0122	81	76	59	140	15	21
GASOLINE	(FID)	ND	0.500	0.385	77	0.489	98	87	41	164	24	37
TOLUENE	(PID)	ND	0.0500	0.0008	80	0.0403	82	81	60	139	2.2	22

510 842 8252 #12

5108250882

12-17-92 12:33PM

SENT BY: PACIFIC ENVIRON. GRP.

LCS = Laboratory Control Sample  
 ND = Not Detected at or above limit of detection

LCL = Lower Control Limit

UCL = Upper Control Limit  
 SPD = Spike out of range due to high sample concentration

