Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
ENVIRONMENTAL
CONSULTANTS

December 22, 1992

Ms. Maree Doden
PACIFIC ENVIRONMENTAL GROUP
2025 Gateway Place, Ste. 440
San Jose, CA 95110

Client Ref. GULF#0006/325-31.01
Clayton Project No. 92122.47

Dear Ms. Doden:

Attached is our analytical laboratory report for the samples received on December 17, 1992. Results for organics were previously reported to Dan Matson by facsimile. 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/caa
Attachments

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Matrix/Media:	WATER	Date Received:	12/17/92
Preparation Method:	EPA 3510	Date Prepared:	12/17/92
Analysis Method:	EPA 8015	Date Analyzed:	12/18/92

Lab Number	Sample Identification	Date Sampled	Diesel (ug/L)	Detection Limit (ug/L)
01G	C-1	12/16/92	ND	50
02G	C-2	12/17/92	ND *	50
03G	C-3	12/16/92	ND	50
05A	METHOD BLANK	--	ND	50

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

* Sample had lighter hydrocarbons present

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Matrix/Media: WATER
Preparation Method: EPA 3510
Analysis Method: EPA 8015

Date Received: 12/17/92
Date Prepared: 12/17/92
Date Analyzed: 12/21/92

Lab Number	Sample Identification	Date Sampled	TPH as Oil (ug/L)	Detection Limit (ug/L)
01G	C-1	12/16/92	ND	200
02G	C-2	12/17/92	ND	200
03G	C-3	12/16/92	ND	200
05A	METHOD BLANK	--	ND	200

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
-- Information not available or not applicable

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

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

Chevron Facility Number: Gulf # 0006
Facility Address: 460 Grand Ave, Oakland
Consultant Project Number: 325-31.01
Consultant Name: Pacific Environmental Group
Address: 2025 Gateway Pl. Ste 440 S.J. 95110
Project Contact (Name): Maree Doden
(Phone): (408) 441-7500 (Fax Number): (408) 441-7539

Chevron Contact (Name): Mark Miller
(Phone):
Laboratory Name: Clayton
Laboratory Release Number: 8536960
Samples Collected by (Name): John Maddox
Collection Date: 12/16/92
Signature: M. Doden FOR J. Maddox

Analyses To Be Performed

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	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 (TOTAL) (ICAP or AA)	TPH Motor oil (Semi + Non-vol.)	Remarks 9212247
C-1	01 A-C	3	W	G	1110	HCL	Y	X									of
	D-F	3			1110	NP					X						
	G+H	2			1110	NP			X							X	
	I	1			1110	HNO_3									X		
C-2	02 A-C	3			1545	HCL		X									
	D-F	3			1545	NP					X						
	G+H	2			1545	NP			X							X	
	I	1			1545	HNO_3									X		
C-3	03 A-C	3			1530	HCL		X									
	D-F	3			1530	NP					X						
	G+H	2			1530	NP			X							X	
	I	1			1530	HNO_3									X		
TB-LB1	04 A+B	2			N/A	HCL		X									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
M. Doden FOR: J. Maddox	PEG.	12/17/92 @ 11:05 AM	Jim Mitchell	CEC	12/17/92 @ 11:05 Am
Jim Mitchell	CEC	12/17/92 @ 11:55 Am			
			Received For Laboratory By (Signature)		12/17/92 1155

Turn Around Time (Circle Choice)
(24 Hrs)
48 Hrs
72 HRS METALS
5 Days
10 Days
As Contracted

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-1	Date Sampled:	12/16/92
Lab Number:	9212247-01A	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
p,m-Xylenes	--	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	--	ND	50
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	108	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-2	Date Sampled:	12/16/92
Lab Number:	9212247-02A	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	63	0.4
Toluene	108-88-3	83	0.3
Ethylbenzene	100-41-4	37	0.3
p,m-Xylenes	--	33	0.4
o-Xylene	95-47-6	57	0.4
Gasoline	--	640	50
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	106	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-3
Lab Number: 9212247-03A
Sample Matrix/Media: WATER
Preparation Method: EPA 5030
Analytical Method: EPA 8015/8020

Date Sampled: 12/16/92
Date Received: 12/17/92
Date Prepared: 12/18/92
Date Analyzed: 12/18/92

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
p,m-Xylenes	--	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	--	ND	50
Surrogates		Recovery (%)	QC Limits (%)
a,a,a-Trifluorotoluene	98-08-8	107	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9212247-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
p,m-Xylenes	--	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	--	ND	50
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	108	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	TB-LB1	Date Sampled:	12/16/92
Lab Number:	9212247-04A	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
BTEX/Gasoline			
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
p,m-Xylenes	--	ND	0.4
o-Xylene	95-47-6	ND	0.4
Gasoline	--	ND	50
Surrogates		**Recovery (%)**	**QC Limits (%)**
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-1	Date Sampled:	12/16/92
Lab Number:	9212247-01D	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-1	Date Sampled:	12/16/92
Lab Number:	9212247-01D	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons (continued)			
2-Chloroethylvinylether	110-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

Surrogates		Recovery (%)	QC Limits (%) LCL UCL
Bromochloromethane	74-97-5	72	50 - 150

ND Not detected at or above limit of detection
-- Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-2
Lab Number: 9212247-02D
Sample Matrix/Media: WATER
Preparation Method: EPA 5030
Analytical Method: EPA 8010

Date Sampled: 12/16/92
Date Received: 12/17/92
Date Prepared: 12/17/92
Date Analyzed: 12/17/92

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	3.5	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

Tentative results

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-2
Lab Number: 9212247-02D
Sample Matrix/Media: WATER
Preparation Method: EPA 5030
Analytical Method: EPA 8010

Date Sampled: 12/16/92
Date Received: 12/17/92
Date Prepared: 12/17/92
Date Analyzed: 12/17/92

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons (continued)			
2-Chloroethylvinylether	110-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

Surrogates		Recovery (%)	QC Limits (%) LCL UCL
Bromochloromethane	74-97-5	69	50 - 150

ND Not detected at or above limit of detection
-- Information not available or not applicable

Tentative results

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-3	Date Sampled:	12/16/92
Lab Number:	9212247-03D	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	C-3	Date Sampled:	12/16/92
Lab Number:	9212247-03D	Date Received:	12/17/92
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons (continued)			
2-Chloroethylvinylether	110-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

Surrogates		Recovery (%)	QC Limits (%) LCL UCL
Bromochloromethane	74-97-5	68	50 - 150

ND Not detected at or above limit of detection
-- Information not available or not applicable

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

SENT BY:Xerox Telecopier 7020 ;12-18-92 ; 5:07PM ; CLAYTON PLEAD LAB→

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

Chevron Facility Number: GULF 0006
Facility Address: 460 Grand Ave, Oakland
Consultant Project Number: 325-31.01
Consultant Name: Pacific Environmental Group
Address: 2025 Gateway Pl. Ste. 440 SJ. 95110
Project Contact (Name): Maree Dodek
(Phone): (408) 441-7500 (Fax Number): (408) 441-7539

Chevron Contact (Name): Mark Miller
(Phone):
Laboratory Name: Clayton
Laboratory Release Number: 8536960
Samples Collected by (Name): John Maddox
Collection Date: 12/16/92
Signature: M. Dodek FOR J. Maddox

9212247

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)	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 (TOTAL) (ICAP or AA)	TPH Semi+Non Motor oil Vol.					Remarks
C-1	01 A-C	3	W	G	1110	HCL	Y	X													
	D-F	3			1110	NP					X										
	G+H	2			11:10	NP			X												
	I	1			11:10	HNO_3										X					
C-2	02 A-C	3			1545	HCL		X							X						
	D-F	3			1545	NP					X										
	G+H	2			15:45	NP			X												
	I	1			1545	HNO_3										X					
C-3	03 A-C	3			15:30	HCL		X							X						
	D-F	3			1530	NP					X										
	G+H	2			1530	NP			X												
	I	1			1530	HNO_3										X					
B-LB1	04 A+B	2	↓	↓	N/A	HCL	↓	X							X						

Relinquished By (Signature): J. Dodek FOR: Maddox — Organization: PEG. — Date/Time: 12/17/92 @ 11:05 AM
Received By (Signature): Jim Mitchell — Organization: CEC — Date/Time: 12/17/92 @ 11:05 Am
Relinquished By (Signature): Jim Mitchell — Organization: CEC — Date/Time: 12/17/92 @ 11:55 Am
Received By (Signature) — Organization — Date/Time
Relinquished By (Signature) — Organization — Date/Time
Received For Laboratory By (Signature): Grace B. Ruble — Date/Time: 12/17/92 1155

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs. 72 HRS METALS
5 Days
10 Days
As Contracted

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9212247-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons			
Chloromethane	74-87-3	ND	0.6
Bromomethane	74-83-9	ND	0.7
Vinyl chloride	75-01-4	ND	0.5
Chloroethane	75-00-3	ND	0.5
Methylene chloride	75-09-2	ND	2
1,1-Dichloroethene	75-35-4	ND	0.2
1,1-Dichloroethane	75-35-3	ND	0.4
Trans-1,2-Dichloroethene	156-60-5	ND	0.4
Cis-1,2-Dichloroethene	156-59-2	ND	0.4
Chloroform	67-66-3	ND	0.5
1,2-Dichloroethane	107-06-2	ND	0.3
1,1,1-Trichloroethane	71-55-6	ND	0.5
Carbon tetrachloride	56-23-5	ND	0.6
Bromodichloromethane	75-27-4	ND	0.7
1,2-Dichloropropane	78-87-5	ND	0.5
Cis-1,3-Dichloropropene	10061-01-5	ND	0.5
Trichloroethene	79-01-6	ND	0.3
Dibromochloromethane	124-48-1	ND	0.6
1,1,2-Trichloroethane	79-00-5	ND	0.6
Trans-1,3-Dichloropropene	10061-02-6	ND	0.6

ND Not detected at or above limit of detection
-- Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9212247-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	12/17/92
Preparation Method:	EPA 5030	Date Analyzed:	12/17/92
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
Purgeable Halocarbons (continued)			
2-Chloroethylvinylether	110-75-8	ND	1
Bromoform	75-25-2	ND	0.7
Tetrachloroethene	127-18-4	ND	0.5
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.5
Chlorobenzene	108-90-7	ND	0.7
1,3-Dichlorobenzene	541-73-7	ND	2
1,2-Dichlorobenzene	95-50-1	ND	4
1,4-Dichlorobenzene	106-46-7	ND	4
Dichlorodifluoromethane	75-71-8	ND	1
Trichlorofluoromethane	75-69-4	ND	0.4
Freon 113	76-13-1	ND	0.6

Surrogates		Recovery (%)	QC Limits (%) LCL	UCL
Bromochloromethane	74-97-5	69	50	150

ND Not detected at or above limit of detection
-- Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-1
Lab Number: 9212247-01
Sample Matrix/Media: WATER

Date Sampled: 12/16/92
Date Received: 12/17/92

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Cadmium	<0.005	0.005	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Chromium	<0.01	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Diesel	ND	50	ug/L	12/17/92	12/18/92	EPA 3510	EPA 8015
Lead	<0.05	0.05	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Nickel	<0.02	0.02	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
TPH as Oil	ND	200	ug/L	12/17/92	12/21/92	EPA 3510	EPA 8015
Zinc	<0.01	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
— Information not available or not applicable

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

Client Reference: GULF/0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-2
Lab Number: 9212247-02
Sample Matrix/Media: WATER

Date Sampled: 12/16/92
Date Received: 12/17/92

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Cadmium	<0.005	0.005	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Chromium	0.05	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Diesel	ND*	50	ug/L	12/17/92	12/18/92	EPA 3510	EPA 8015
Lead	<0.05	0.05	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Nickel	0.08	0.02	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
TPH as Oil	ND	200	ug/L	12/17/92	12/21/92	EPA 3510	EPA 8015
Zinc	0.08	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
— Information not available or not applicable

* Sample had lighter hydrocarbons present

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: C-3
Lab Number: 9212247-03
Sample Matrix/Media: WATER

Date Sampled: 12/16/92
Date Received: 12/17/92

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Cadmium	<0.005	0.005	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Chromium	0.19	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Diesel	ND	50	ug/L	12/17/92	12/18/92	EPA 3510	EPA 8015
Lead	0.07	0.05	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Nickel	0.36	0.02	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
TPH as Oil	ND	200	ug/L	12/17/92	12/21/92	EPA 3510	EPA 8015
Zinc	0.38	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
— Information not available or not applicable

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

Client Reference: GULF#0006/325-31.01
Clayton Project No. 92122.47

Sample Identification: METHOD BLANK
Lab Number: 9212247-05
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: —

Analyte	Concentration	Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Analysis Method
Cadmium	<0.005	0.005	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Chromium	<0.01	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Diesel	ND	50	ug/L	12/17/92	12/18/92	EPA 3510	EPA 8015
Lead	<0.05	0.05	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
Nickel	<0.02	0.02	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7
TPH as Oil	ND	200	ug/L	12/17/92	12/21/92	EPA 3510	EPA 8015
Zinc	<0.01	0.01	mg/L	12/21/92	12/22/92	EPA 200.7	EPA 200.7

ND Not detected at or above limit of detection
< Not detected at or above limit of detection
— Information not available or not applicable

Quality Assurance Results Summary
for
Clayton Project No. 92122.47

Clayton Lab Number: 9212149-01A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: W921105-01W
Sample Matrix/Media: WATER

Analytical Method: EPA8015 8020
Instrument ID: G2587
Date: 12/17/92
Time: 14:55
Analyst: PF
Units: UG/L

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	4.00	3.79	95	3.65	91	93	81	118	3.8	20
GASOLINE	(FID)	ND	200	191	96	160	80	88	80	150	18	25
TOLUENE	(PID)	ND	15.0	16.6	111	15.9	106	108	84	118	4.3	20

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

LCL = Lower Control Limit

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

Quality Assurance Results Summary
for
Clayton Project No. 92122.47

Clayton Lab Number: 9212247-03A
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: V921105-01W
Sample Matrix/Media: WATER

Analytical Method: EPA8015 8020
Instrument ID: 02857
Date: 12/18/92
Time: 11:36
Analyst: PF
Units: UG/L

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
BENZENE	(PID)	ND	3.00	2.98	99	2.94	98	98	81	118	1.4	20
GASOLINE	(FID)	ND	200	179	90	154	77	83	80	150	15	25
TOLUENE	(PID)	ND	13.0	13.1	101	13.0	100	100	84	118	0.8	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Quality Assurance Results Summary
for
Clayton Project No. 92122.47

Clayton Lab Number: 9212215-088
Ext./Prep. Method:
Date: / /
Analyst:
Std. Source: V920925-04W
Sample Matrix/Media: WATER

Analytical Method: EPA601_2/801020
Instrument ID: 02911
Date: 12/17/92
Time: 12:39
Analyst: CB
Units: UG/L

Analyte		Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
1,1-DICHLOROETHENE	(HALL)	ND	20.0	19.5	98	19.4	97	97	65	131	0.5	20
CHLOROBENZENE	(HALL)	ND	20.0	19.2	96	18.9	95	95	79	132	1.6	20
TRICHLOROETHENE	(HALL)	ND	20.0	27.8	139	21.6	108	124	69	133	25*	20

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

LCL = Lower Control Limit

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

Quality Assurance Results Summary
for
Clayton Project No. 92122.47

Clayton Lab Number: 9212247-MB
Ext./Prep. Method: EPA3510
Date: 12/17/92
Analyst: C/G
Std. Source: G921125-01W
Sample Matrix/Media: WATER

Analytical Method: EPA8015
Instrument ID: 02BB3
Date: 12/19/92
Time: 09:27
Analyst: AM
Units: UG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
DIESEL	ND	800	380	48	450	56	52	40	140	17	40

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

LCL = Lower Control Limit

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

Quality Assurance Results Summary
for
Clayton Project No. 92122.47

Clayton Lab Number: 9212247-031
Ext./Prep. Method: EPA 200.7
Date: 12/21/92
Analyst: JSL
Std. Source: VHG 2-0585
Sample Matrix/Media: WATER

Analytical Method: EPA200.7
Instrument ID: 03B31
Date: 12/22/92
Time: 14:20
Analyst: DS
Units: MG/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery (%)	Matrix Spike Duplicate Result	MSD Recovery (%)	Average Recovery (% R)	LCL (% R)	UCL (% R)	RPD (%)	UCL (%RPD)
CADMIUM	ND	2.00	1.95	98	1.92	96	97	79	114	1.6	20
CHROMIUM	0.190	2.00	2.09	95	2.02	92	93	75	128	3.4	20
LEAD	0.0710	2.00	2.00	96	1.96	94	95	81	116	2.0	20
NICKEL	0.360	2.00	2.28	96	2.22	93	95	74	117	2.7	20
ZINC	0.380	2.00	2.32	97	2.24	93	95	67	127	3.5	20

LCS = Laboratory Control Sample
ND = Not detected at or above limit of detection
LCL = Lower Control Limit
UCL = Upper Control Limit
SOR = Spike out of range due to high sample concentration.

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

Chain-of-Custody-Record

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

Chevron Facility Number: Gulf #00006
Facility Address: 460 Grand Ave, Oakland
Consultant Project Number: 325-31.01
Consultant Name: Pacific Environmental Group
Address: 2025 Gateway Pl. Ste 440 S.J. 95110
Project Contact (Name): Maree Dodek
(Phone) (408) 441-7500 (Fax Number) (408) 441-7539

Chevron Contact (Name): Mark Miller
(Phone):
Laboratory Name: Clayton
Laboratory Release Number: 8536760
Samples Collected by (Name): John Maddox
Collection Date: 12/16/92
Signature: M. Dodek FOR J. Maddox

9212247

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: 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) (TOTAL)	Semi+Non TPH Motor oil/Vol.				Remarks
C-1	01 A-C	3	W	G	1110	HCl	Y	X												
↓	D-F	3	↓	↓	1140	NP	↓				X									
	G+H	2			1110	NP			X							X				
↓	I	1			1110	HNO_3									X					
C-2	02 A-C	3			1545	HCl		X												
	D-F	3			1545	NP					X									
	G+H	2			1545	NP			X							X				
↓	I	1			1545	HNO_3									X					
C-3	03 A-C	3			1530	HCl		X												
	D-F	3			1530	NP					X									
	G+H	2			1530	NP			X							X				
↓	I	1			1530	HNO_3									X					
TB-LB1	04 A&B	2	↓	↓	NA	HCl	↓	X												↓

Relinquished By (Signature): M Dodek FOR J. maddox — Organization: PEG. — Date/Time: 12/17/92 @ 11:05 AM
Relinquished By (Signature): Jim Mitchell — Organization: CEC — Date/Time: 12/17/92 @ 11:55 AM
Relinquished By (Signature): — Organization: — Date/Time:

Received By (Signature): Jim Mitchell — Organization: CEC — Date/Time: 12/17/92 @ 11:05 Am
Received By (Signature): — Organization: — Date/Time:
Received For Laboratory By (Signature): — Date/Time: 12/17/92 1155

Turn Around Time (Circle Choice)
24 Hrs
48 Hrs
5 Days
10 Days
As Contracted
TPH/BTEX METALS