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Clayton
ENVIRONMENTAL
CONSULTANTS

January 4, 1993

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

Client Ref. GULF 0006/325-31.01
Clayton Project No. 92122.52

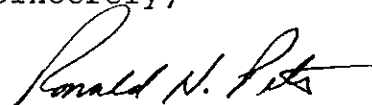
Dear Mr. Madsen:

Attached is our analytical laboratory report for the samples received on December 17, 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/tb
Attachments

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

Client Reference: GULF 0006/325-31.01
Clayton Project No. 92122.52

Sample Identification:	SPOIL-1	Date Sampled:	12/15/92
Lab Number:	9212252-01A	Date Received:	12/17/92
Sample Matrix/Media:	SOIL	Date Prepared:	12/21/92
Preparation Method:	EPA 5030	Date Analyzed:	12/21/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Toluene	108-88-3	0.006	0.005
Ethylbenzene	100-41-4	0.008	0.005
p,m-Xylenes	---	0.006	0.005
o-Xylene	95-47-6	ND	0.005
Gasoline	---	ND	0.3

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>	
			LCL	UCL
a,a,a-Trifluorotoluene	98-08-8	109	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. 92122.52

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9212252-02A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	12/21/92
Preparation Method:	EPA 5030	Date Analyzed:	12/21/92
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
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>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>	
			LCL	UCL
a,a,a-Trifluorotoluene	98-08-8	103	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. 92122.52

Sample Matrix/Media: SOIL	Date Received: 12/17/92
Preparation Method: CAM WET	Date Prepared: 12/21/92
Analysis Method: EPA 6010	Date Analyzed: 12/28/92

Lab Number	Sample Identification	Date Sampled	STLC Lead (mg/L)	Detection Limit (mg/L)
01A	SPOIL-1	12/15/92	0.2	0.1
02A	METHOD BLANK	--	<0.1	0.1

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. 92122.52

Sample Matrix/Media: SOIL Date Received: 12/17/92
 Preparation Method: EPA 3050 Date Prepared: 12/28/92
 Analysis Method: EPA 6010 Date Analyzed: 12/28/92

Lab Number	Sample Identification	Date Sampled	Lead (mg/kg)	Detection Limit (mg/kg)
01A	SPOIL-1	12/15/92	7	1
02A	METHOD BLANK	--	<1	1

ND Not detected at or above limit of detection
 < 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. 92122.52

Clayton Lab Number: 9212199-04A
Ext./Prep. Method: EPA 5030
Date: 12/21/92
Analyst: PF
Std. Source: V921105-01W
Sample Matrix/Media: SOIL

Analytical Method: EPA8015 8020
Instrument ID: 05587
Date: 12/21/92
Time: 13:34
Analyst: PF
Units: MG/KG

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	0.0100	0.0114	114	0.0119	119	117	53	140	4.3	28
GASOLINE	(FID) ND	0.500	0.444	89	0.465	93	91	41	164	4.6	37
TOLUENE	(PID) ND	0.0450	0.0446	99	0.0460	102	101	60	139	3.1	22

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. 92122.52

Clayton Lab Number: 9212252-01A
Ext./Prep. Method: EPA3050
Date: 12/28/92
Analyst: RAH
Std. Source: VHG20585
Sample Matrix/Media: SOIL

Analytical Method: EPA6010
Instrument ID: 03891
Date: 12/28/92
Time: 4 :
Analyst: DS
Units: MG/KG

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)
ANTIMONY	1.00	50.0	50.8	100	49.6	97	98	54	123	2.4	25
ARSENIC	2.00	50.0	49.9	96	50.1	96	96	72	115	0.4	25
BARIUM	175	50.0	206	62	205	60	61	46	155	0.5	25
BERYLLIUM	0.300	50.0	48.4	96	47.9	95	96	78	112	1.0	25
CADMIUM	ND	50.0	51.3	103	50.5	101	102	80	111	1.6	25
CHROMIUM	31.0	50.0	75.3	89	74.6	87	88	60	135	0.9	25
COBALT	12.0	50.0	59.9	96	59.5	95	95	72	114	0.7	25
COPPER	27.0	50.0	74.1	94	72.6	91	93	72	127	2.0	25
LEAD	7.00	50.0	56.3	99	55.4	97	98	61	124	1.6	25
MOLYBDENUM	ND	54.0	55.1	102	54.9	102	102	69	119	0.4	25
NICKEL	49.0	50.0	93.2	88	92.0	86	87	54	132	1.3	25
SELENIUM	ND	50.0	43.9	88	47.2	94	91	63	117	7.2	25
SILVER	ND	45.0	45.2	100	44.9	100	100	79	118	0.7	25
THALLIUM	10.0	50.0	60.6	101	60.1	100	101	63	115	0.8	25
VANADIUM	28.0	50.0	74.2	92	72.3	89	91	70	122	2.6	25
ZINC	63.0	50.0	103	80	98.4	71	75	64	133	4.6	25

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. 92122.52

Clayton Lab Number: 9212289-01A
Ext./Prep. Method: EPA 3010
Date: 12/23/92
Analyst: JSL
Std. Source: VHG 2-0585
Sample Matrix/Media: STLC

Analytical Method: EPA6010
Instrument ID: 03891
Date: 12/28/92
Time: 11:03
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)
LEAD	3.85	10.0	13.0	92	13.2	94	93	75	125	1.5	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.

9212252
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, Inc.
Address 620 Contra Costa Blvd. Ste. 209
Pleasant Hill, CA 94523
Project Contact (Name) _____
(Phone) (510)825-0855 (Fax Number) 825-~~0822~~ 0882

Chevron Contact (Name) Mark Miller
(Phone) 510-842-8134
Laboratory Name Clayton Environmental Consultants
Laboratory Release Number 8536960
Samples Collected by (Name) Dan Madson
Collection Date 12/15/92
Signature Dan Madson

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 Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	Total Lead	Soluble Lead						
Spoil-1	CIA		S	D			Yes	X									X	X				OK	

NOTE:
DO NOT BILL
TB-LB SAMPLE

Relinquished By (Signature) <u>Dan Madson</u>	Organization <u>PEG</u>	Date/Time <u>12/17/92 1505</u>	Received By (Signature) <u>Jim Mitchell</u>	Organization <u>CEC</u>	Date/Time <u>12/17/92 1505</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>Jim Mitchell</u>	Organization <u>CEC</u>	Date/Time <u>12/17/92 1555</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>Tracy Salvo</u>		Date/Time <u>12/17/92 3:55 PM</u>	