



PACIFIC ENVIRONMENTAL GROUP, INC.

October 8, 1992
Project 330-06.12

File: 2198-17
CALIF. REG. WATER
OCT 13 1992
QLTY. CONTROL BOARD

Ms. Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California

Re: Discharge Permit 90-073-91
17601 Hesperian Boulevard
San Lorenzo, California

Dear Ms. Keach:

This letter transmits treatment system operational and analytical data for the period between August 18 and September 15, 1992 for the above referenced site. Pacific Environmental Group, Inc. submits this data on behalf of ARCO Products Company.

Treatment System Status: Operational
Total Volume Discharged: 125,622 gallons
Average Flow Rate: 3.1 gallons per minute
Analytical Results: Attached

During the reporting period, the treatment system was in compliance with our discharge permit. If you have any questions regarding this project, please call.

Sincerely,

Pacific Environmental Group, Inc.

John W. McCulloch
Operations and Maintenance Coordinator

Keith Winemiller
Staff Engineer

01-0092

Attachments: Certified Analytical Reports and Chain-of-Custody Documentation

cc: Mr. Michael Whelan, ARCO Products Company
Mr. Chris Winsor, ARCO Products Company
Mr. Eddy So, Regional Water Quality Control Board



SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Pacific Environmental Group 620 Contra Costa Blvd., #209 Pleasant Hill, CA 94523 Attention: Scott Pisel	Client Project ID: #608-91-5 / Arco #0608 / 330-06.12, Sample Matrix: Water Analysis Method: EPA 5030/8015/8020 First Sample #: 209-0680	San Lorenzo Received: Sep 17, 1992 Reported: Sep 24, 1992	Sampled: Sep 15, 1992
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TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 209-0680 INFL	Sample I.D. 209-0681 EFFL
Purgeable Hydrocarbons	50	N.D.	N.D.
Benzene	0.5	N.D.	N.D.
Toluene	0.5	N.D.	N.D.
Ethyl Benzene	0.5	N.D.	N.D.
Total Xylenes	0.5	N.D.	N.D.
Chromatogram Pattern:		--	--

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0
Date Analyzed:	9/21/92	9/21/92
Instrument Identification:	HP-4	HP-4
Surrogate Recovery, %: (QC Limits = 70-130%)	103	101

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Karen L. Enstrom
Project Manager



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Pacific Environmental Group
620 Contra Costa Blvd., #209
Pleasant Hill, CA 94523
Attention: Scott Pisel

Client Project ID: #608-91-5 / Arco #0608 / 330-06.12, San Lorenzo

QC Sample Group: 2090680-681

Reported: Sep 24, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
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Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	J.F.	J.F.	J.F.	J.F.
Reporting Units:	µg/L	µg/L	µg/L	µg/L
Date Analyzed:	Sep 21, 1992	Sep 21, 1992	Sep 21, 1992	Sep 21, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank

Sample Conc.: N.D. N.D. N.D. N.D.

Spike Conc. Added: 20 20 20 60

Conc. Matrix Spike: 21 20 20 64

Matrix Spike % Recovery: 105 100 100 106

Conc. Matrix Spike Dup.: 20 19 19 62

Matrix Spike Duplicate % Recovery: 100 95 95 103

Relative % Difference: 4.8 5.1 5.1 3.2

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Karen L. Erstrom
Project Manager

% Recovery:	$\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference:	$\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$

ARCO Facility no. **0608** City (Facility) **San Lorenzo**
 ARCO engineer **Mike Whelan** Telephone no. (ARCO) _____
 Consultant name **Pacific Env. Group** Address (Consultant) **620 Contra Costa Blvd #209 Pleasant Hill**

Project manager (Consultant) **L.G./DM. Scott Pisel**
 Telephone no. (Consultant) **510-825-0855** Fax no. (Consultant) **925-0882**

Laboratory name **Sequoia**
 Contract number _____

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX EPA 802/EPA 8020	BTEX/TPH EPA 1602/8020/8015	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 41.1, 1 <input type="checkbox"/> 41.2 <input type="checkbox"/>	TPH EPA 418.1/SM500E	EPA 801/8010	EPA 824/8240	EPA 825/8270	TCUP Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	Semi Metals <input type="checkbox"/> VOA <input type="checkbox"/> VOA <input type="checkbox"/>	CWM Metals EPA 601/7000 TLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead Org./OHS Lead EPA 7420/7421 <input type="checkbox"/>	
			Soil	Water	Other	Ice	Acid															
INFL		3		X		X	HCl	9-15-92	8:30		X											
EFEL		3		X		X	HCl	9-15-92	8:15		X											
209068 DAC ↓ 681 AC																						

Method of shipment _____

Special detection Limit/reporting _____

Special QA/QC _____

Remarks **Concord Lab.**

Lab number _____

Turnaround time _____

- Priority Rush 1 Business Day
- Rush 2 Business Days
- Expedited 5 Business Days
- Standard 10 Business Days

Condition of sample: _____
 Relinquished by sampler **Scott Pisel** Date **9-17-92** Time **9:30**
 Relinquished by _____ Date _____ Time _____
 Relinquished by _____ Date _____ Time _____

Temperature received: _____
 Received by **Tom Pisel**
 Received by _____
 Received by laboratory _____ Date _____ Time _____