



PACIFIC ENVIRONMENTAL GROUP, INC.

File: 2198.17

September 2, 1992  
Project 330-06.12

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

CALIF. REG. WATER  
SEP 03 1992  
QLTY. CONTROL BOARD

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

01-0092

Dear Ms. Keach:

This letter transmits treatment system operational and analytical data for the period between July 14 and August 18, 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: 118,817 gallons ✓  
Average Flow Rate: 2.4 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

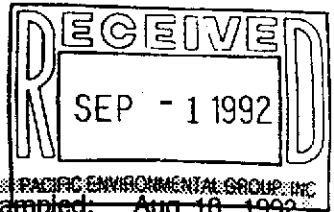
Attachments: Certified Analytical Reports and Chain-of-Custody Documentation

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  
2025 Gateway Place, Ste., 440  
San Jose, CA 95110  
Attention: Dan Landry

Client Project ID: Arco #0608, San Lorenzo / #608-91-5  
Sample Matrix: Water  
Analysis Method: EPA 5030/8015/8020  
First Sample #: 208-0762

PACIFIC ENVIRONMENTAL GROUP, INC.  
Sampled: ~~Aug 18, 1992~~  
Received: Aug 19, 1992  
Reported: Aug 26, 1992

## TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 208-0762 INFL	Sample I.D. 308-0763 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:	8/24/92	8/24/92
Instrument Identification:	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	104	104

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

SEQUOIA ANALYTICAL

*Scott Chiff*  
FOR Karen L. Enstrom  
Project Manager



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Attention: Dan Landry

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

QC Sample Group: 2080762-763

Reported: Aug 26, 1992

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
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	EPA	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	A.T.	A.T.	A.T.	A.T.
Reporting Units:	µg/L	µg/L	µg/L	µg/L
Date Analyzed:	Aug 24, 1992	Aug 24, 1992	Aug 24, 1992	Aug 24, 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: 19 19 19 61

Matrix Spike % Recovery: 95 95 95 102

Conc. Matrix Spike Dup.: 19 19 20 62

Matrix Spike Duplicate % Recovery: 95 95 100 103

Relative % Difference: 0.0 0.0 5.1 1.6

SEQUOIA ANALYTICAL

*Karen L. Enstrom*  
Karen L. Enstrom  
Project Manager

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

