



PACIFIC
ENVIRONMENTAL
GROUP, INC.

December 20, 1995
Project 310-058.5A

Ms. Susan Keach
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Re: Wastewater Discharge Permit 024 - November Sewer Report
Unocal Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Dear Ms. Keach:

On behalf of Unocal Corporation, Pacific Environmental Group, Inc. is operating a groundwater extraction and treatment system at the site referenced above. This letter transmits treatment system operational data for the period between October 30 and November 30, 1995 (Table 1). Operational parameters are summarized below.

<i>Treatment System Status:</i>	<i>Operational</i>
<i>Reporting Period:</i>	10/30/95 - 11/30/95
<i>Period Volume Discharged:</i>	3,711 gallons
<i>Average Flow Rate:</i>	0.1 gallons per minute
<i>Analytical Reports:</i>	Attached

During the reporting period, the treatment system was in compliance with all discharge permit conditions. All treatment system effluent analytes tested for were reported as non-detectable at standard detection limits. The certified analytical reports and chain-of-custody documentation for both sampling events are included as Attachment A.

90 13 41 93 351 95
NOV 21 1995
11 11 1995

December 20, 1995

Page 2

If you have any questions regarding this project or require further information, please do not hesitate to call.

Sincerely,

Pacific Environmental Group, Inc.



Suzanne McClurkin-Nelson
Staff Scientist

Attachments: Table 1 - Treatment System Metered Volume
Attachment A - Certified Analytical Reports and Chain-of-Custody
Documentation

cc: Ms. Tina Berry, Unocal Corporation
Mr. Richard Hiatt, Regional Water Quality Control Board - S.F. Bay Region
Ms. Amy Leech, Alameda County Health Care Services

**Table 1
Treatment System Metered Volume**

Unocal Service Station 5760
376 Lewelling Boulevard at Usher Street
San Lorenzo, California

Meter Reading Date	Meter Reading (gallons)	Volume Since Previous Reading (gallons)	Volume Since Start-up (gallons)	Approximate Flow Rate (gpm)
10/18/95 ^a	76	0	0	N/A
10/30/95	4,040	3,964	3,964	0.2
11/30/95	7,751	3,711	7,675	0.1

gpm = Gallons per minute
 N/A = Not available or not applicable
 a. Groundwater extraction system startup on October 18, 1995.

ATTACHMENT A

**CERTIFIED ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**



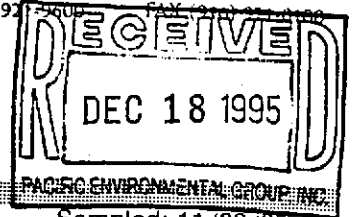
**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-2600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-2100



Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Client Proj. ID: 310-058.5A/5760, San Lorenzo
Sample Descript: INFL
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9512142-01

Sampled: 11/30/95
Received: 12/01/95
Analyzed: 12/05/95
Reported: 12/14/95

Attention: Maree Doden

QC Batch Number: GC120595BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	15000
Benzene	50	190
Toluene	50	310
Ethyl Benzene	50	210
Xylenes (Total)	50	3700
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

B Fletcher

Brucie Fletcher
Project Manager



Pacific Environmental Group	Client Proj. ID: 310-058.5A/5760, San Lorenzo	Sampled: 11/30/95
2025 Gateway Place, Suite 440	Sample Descript: EFFL	Received: 12/01/95
San Jose, CA 95110	Matrix: LIQUID	
Attention: Maree Doden	Analysis Method: 8015Mod/8020	Analyzed: 12/05/95
	Lab Number: 9512142-02	Reported: 12/14/95

QC Batch Number: GC120595BTEX20A
Instrument ID: GCHP20

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	84

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

B Fletcher

Brucie Fletcher
Project Manager



Sequoia Analytical

680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233
 404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673
 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Pacific Environmental Group Client Project ID: 310-058.5A/5760, San Lorenzo
 2025 Gateway Place, Suite 440 Matrix: LIQUID
 San Jose, CA 95110
 Attention: Maree Doden Work Order #: 9512142 01, 02 Reported: Dec 14, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
GC Batch#:	GC120595BTEX20A	GC120595BTEX20A	GC120595BTEX20A	GC120595BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9511H1503	9511H1503	9511H1503	9511H1503
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/5/95	12/5/95	12/5/95	12/5/95
Analyzed Date:	12/5/95	12/5/95	12/5/95	12/5/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	9.9	29
MS % Recovery:	100	100	99	97
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	0.0	0.0	1.0	3.4
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK120595	BLK120595	BLK120595	BLK120595
Prepared Date:	12/5/95	12/5/95	12/5/95	12/5/95
Analyzed Date:	12/5/95	12/5/95	12/5/95	12/5/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.6	9.9	9.8	29
LCS % Recov.:	96	99	98	97

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120
---------------------------	--------	--------	--------	--------

Please Note:
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

B Fletcher
 Brucie Fletcher
 Project Manager

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Company Name: PACIFIC ENVIRONMENTAL GROUP Project Name: 376 RUSSELLING BLVD SAN LORENZO
 Address: 2025 GATEWAY PL. STE 440 UNOCAL Project Manager: TINA BERRY
 City: SAN JOSE State: CA Zip Code: 95110 Release #: 310-058.5A
 Telephone: 408 441-4700 FAX #: 441-7539 Site #: 5760
 Report To: MARCE DODEN Sampler: JOHN MADDOX QC Data: Level D (Standard) Level C Level B Level A

Turnaround 10 Work Days 5 Work Days 3 Work Days
 Time: 2 Work Days 1 Work Day 2-8 Hours

Drinking Water 9512142 Waste Water
 Other GWS CS&BTEX **Analyses Requested**

CODE: Misc. Detect. Eval. Remed. Demol. Closure

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Laboratory Sample #	[Diagonal Hatched Area]										Comments
1. <u>INFL</u>	<u>11.30.95/0940</u>	<u>W</u>	<u>3</u>	<u>VOA/Hd</u>	<u>01</u>	<u>CS&BTEX</u>										
2. <u>GFAL</u>	<u>11.30.95/0935</u>	<u>↓</u>	<u>3</u>	<u>↓ ↓</u>	<u>02</u>	<u>CS&BTEX</u>										
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

Relinquished By: <u>[Signature]</u>	Date: <u>11.30.95</u>	Time: <u>11:20</u>	Received By: <u>[Signature]</u>	Date: <u>11/30/95</u>	Time: <u>11:20</u>
Relinquished By: <u>[Signature]</u>	Date: <u>12/1/95</u>	Time: <u>11:45</u>	Received By: <u>[Signature]</u>	Date: <u>12-1-95</u>	Time: <u>11:45</u>
Relinquished By: <u>[Signature]</u>	Date: <u>12/1/95</u>	Time: _____	Received By Lab: <u>[Signature]</u>	Date: <u>12/1/95</u>	Time: <u>12:35</u>

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment Courier Page 1 of 1

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
Yellow - Laboratory
White - Laboratory